

# NATIONAL LAND USE ZONING

## A BASELINE REPORT



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LIMITED EDITION  
2023

ROYAL GOVERNMENT OF BHUTAN



# **BHUTAN NATIONAL LAND USE ZONING**

**Limited Edition  
August 2023**



# Executive Summary

Amidst accelerated socio-economic development taking place, the demand for land use is ever increasing from all sectors, spiraling with numerous land use conflicts and competing interests. The scarcity of land and limited optimization in itself is the primary reason for the discrepancies in land uses. For instance, only 7% of Bhutan's total geographical area is arable land (664,000 acres). Out of this, 500,000 acres are registered on freehold, while 13,776 acres are on leasehold for commercial uses. This leaves a little over 1.58% or 150,224 acres of arable land at the state's disposal. Improper land use management in absence of integrated and reliable geospatial data repository coupled with weak institutional structure is another reason for the contestations. Additionally, inadequacy in cross-sectoral engagement for land use harmonization also contributes to the conflicts and predicaments.

His Majesty has deeply expressed such land use concerns on 29 different occasions so far. For instance, during the grant of land Kidu on 11th March 2009, His Majesty stated, "We must do everything to ensure that our limited land is of greatest benefit to the people and their children. Land must bring social, economic, and political strength to the people. I must give them a stake in the building of a strong nation and a vibrant democracy."

Therefore, the National Land Commission, in collaboration with the relevant sectors has undertaken the exercise to establish a harmonized National Land Use Zoning (NLUZ), primarily through spatial integration, geo-processing and map analysis, to begin with. The exercise is expected to revalidate and delineate prevailing designated areas and macro land uses in consultation with the cross-agencies. The dysfunctional and functional land for any categories of development based on capability and suitability shall be designated through this collective undertaking in times to come. Further, this exercise aspires to make judicious, optimum, and sustainable use of limited arable land by reducing competition and avoiding land use conflicts. Simultaneously, we desire to establish harmonized land use ordinances. Essentially, the purpose of this exercise is to harmonize and integrate all kinds of geospatial data to ultimately foster spatially-enabled land governance and decision-making processes in the country.

The report comprises an overview of the exercise, zoned maps by Dzongkhags and Gewogs. The final part of the report presents multiple references such as LULC maps and metadata for zoning exercise including permissibility in zones/buffers. The exercise suggests nine (macro), 23 (micro), and 23 (nano) land uses. For example, nine macro land uses are; Agricultural Land, Cultural Heritage, Industrial, Nature Conservation Area (NCA), Rangeland, Rural Settlement, Sustainable Forest Management Area (SMFA), Urban and Strategic Development Zones (SDZ).

The nine macro land uses (excluding SDZ) constitute about 6,210,176.574 acres (65.46%) of the country's total geographical area, and from the overall land uses, NCA constitutes 79.18%, followed by SFMA (11.63%) and agricultural land (6.59%). The rest of the land uses constitute only between 0.50% to 1.50%. Similarly, from the overall area, nature conservation (combination of NCA and SFMA) land uses constitute 60.85%, agriculture with 4.41%, industrial (0.11%), human settlements (0.76%) and others (culture and rangeland) with 0.88%.

Eight macro zones were cross-assessed with each other and the area of conflict is deduced through geo-processing of attribute data against individual zones using the conflict matrix. The matrix analysis concludes that NCA and Agricultural Land macro zones conflict across seven other macro zones, while Industrial, SFMA, Rural Settlement and Culture cuts across six macro zones in land use conflicts. However, some level of perceived conflicts were resolved through vigorous geospatial integration amongst the sectors through this exercise. However, about 436,560.588 acres of land use conflicts prevailing amongst the macro land uses. Similarly, 14,166.942 acres of land use conflicts between RoW/Buffer and macro zones.

Essentially, the exercise strongly recommend undertaking further refinement to focus on harmonizing macro land uses in line with broader national and strategic needs. This harmonization process should also address the conflicts between different land use categories. By resolving these conflicts, the groundwork shall be laid for the formation of coherent zoning ordinances to ensure effective land use management in a sustainable manner. Crucially, the exercise emphasizes the importance of implementing the NLUZ through the establishment of a Spatial Decision Support System to provide easy access to geospatial data, maps, and other relevant information. This shall therefore enable policymakers, planners, and stakeholders to make well-informed decisions about land uses and ultimately support the overall Location Intelligence (LI) initiatives, land based Digital Twinning, Smart Growth and any relevant spatial disruptions in times to come.







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# Acronyms

DoA	Department of Agriculture
DoAT	Department of Air Transport
DoCDD	Department of Culture and Dzongkha Development
DoE	Department of Energy
DoFPS	Department of Forests and Park Services
DGM	Department of Geology and Mines
DHS	Department of Human Settlement
DoI	Department of Industry
DLGDM	Department of Local Governance and Disaster Management
DoST	Department of Surface Transport
DoW	Department of Water
HCV	High Conservation Value
LULC	Land Use Land Cover
NCA	Nature Conservation Area
NCHM	National Centre for Hydrology and Meteorology
NEC	National Environment Commission
NLCS	National Land Commission Secretariat
NLUZ	National Land Use Zoning
NSDI	National Spatial Data Infrastructure
REDD+	Reducing Emissions from Deforestation and Degradation
SDZ	Strategic Development Zone
SFMA	Sustainable Forest Management Area
TWG	Technical Working Group
WWF	World Wildlife Fund





# **PART I**

## **NATIONAL LAND USE ZONING OVERVIEW**



## INTRODUCTION

The Kingdom of Bhutan is a small and mountainous country in South Asia, located in the eastern Himalayas, bordered by China in the North and India in the East, West and South. It is situated between longitude 88° 44' and 92° 07' East and latitude 26° 42' and 28° 14' North. The entire 38,394 sq. km of the geographical area of Bhutan is mountainous, with little flat plains in the southern fringe of the country. The elevation varies from 100 meters above mean sea level (msl) in the southern foothills to more than 7,700 meters above sea level in the northern mountains. Bhutan has a wide variety of climatic conditions influenced by the micro geographic conditions, topography, elevation, and rainfall patterns. Besides being small, Bhutan's terrain is such that only seven percent of the total land is arable, which translates to about 664,000 acres. About 500,000 acres of the arable land are utilized and registered on freehold and 13,776 acres of State land has been leased out as of date for various socio-economic developmental activities. Only about 150,224 acres (roughly 1.58%) arable land is left in stock for now. In addition, there is an ever increasing pressure on limited land from accelerated socio-economic development activities taking place in the country, such as construction of farm roads, electricity transmission/power lines, industries and urbanization (NEC, 2016). The scarcity of arable land is a huge concern for the country, which has been explicitly highlighted in various Royal Addresses. His Majesty The King, during the 109th National Day, 2016 stated, "Bhutan's difficult terrain means that only 7 percent or 664,000 acres of our total land is usable. We must ensure that this small amount of land is put to the best use for the benefit of our people."

In a finite spectrum, such concerns are ensued due to lack of proper sustainable land use management. The National Action Program (NAP) to Combat Land Degradation states that, "at the macro-level and as a cross-sectoral issue, the policy perspective on national land use and management is presently absent. Consequently, the conflicts of land use between various sectors persists and, in many instances, defy land capability." It also states that programs and activities for proper land use management have remained compartmentalized within various sectors. There is also a lacuna in the institutional setting concerning the overall coordination and management of the technical aspects of land use. For instance, random and haphazard development within the vicinity of critical land uses at times result in the loss of important land uses for other socio-economic development purposes. The land and land based resource management in such a situation demands collaborative and innovative approach. Currently, in the absence of proper zonation of areas for specific purposes, it has been extremely difficult for the responsible agencies to regulate such developments. Thus, the National Land Use Zoning (NLUZ) has been initiated as one of the major collaborative activities in successive plans as one of the key cross-sectorial efforts.

An efficient and judicious use of our limited land by the key stakeholders through proper National Land Use Zoning (NLUZ) has been found crucial for an overall sustainability and to safeguard the national interests and enhance food production in the country. This program shall largely ensure nationwide spatial integration, platform creation and establish coherent land use ordinances in times to come, to facilitate and boost Smart-Growth, Location Intelligence (LI), land based Digital Twinning and spatial planning of the country. The NLUZ can be used for monitoring, multi-disciplinary policy-making and ensuring sustainable use of the scarce land resource in the country.

An essential point of take-off or readiness for NLUZ is the existence of comprehensive cadastral data/information and 1:25,000 scale topographic base mapping with NLCS, which are the fundamental elements for comprehensive Land Use Land Cover (LULC) mapping. Further, the Geo-Information (GI) Policy of Bhutan, adopted in collaboration with Centre for GIS Coordination (CGISC) member agencies and ongoing National Spatial Data Infrastructure (NSDI) project shall be the enabling policy framework for NLUZ initiatives.

The NLCS and cross-agencies continued the NLUZ exercises despite the COVID 19 pandemic, technical shortcomings, and coordination issues at the initial phase. With constant review, scoping and revitalization of the core working team, the initiative has succeeded in developing this edition which shall be a key component of the ongoing NSDI initiatives. Further, with expectation of additional (reliable) data availability, successive editions of NLUZ will be produced, until NLUZ realizes a robust and dynamic web application to support real time spatially enabled decision making processes at all levels and across all agencies. This Edition comprises three parts, viz. Part I: NLUZ overview; Part II: zone maps of the Country, Dzongkhag and Gewog; and Part III: appendices and references.

## RATIONALE

The NLUZ is considered a priority exercise, not only from a national stance but also from an international point of view. It emanates from the revered concerns promulgated on varied occasions by the Throne. During the grant of land Kidu on 11<sup>th</sup> March 2009, His Majesty stated, "We must do everything to ensure that our limited land is of greatest benefit to the people and their children. Land must bring social, economic, and political strength to the people. I must give them a stake in the building of a strong nation and a vibrant democracy." In addition, on 16<sup>th</sup> September 2014, during the grant of land Kidu in Zhemgang Dzongkhag, His Majesty the King emphasized that the land is central to the lives of the people since it is the primary source of food, shelter and clothing. His Majesty went on to express that the land provides security of inheritance to individuals and families which in turn would augment the socio-economic development and wellbeing of the nation.

This overarching concern is upheld in numerous national and international obligations in light of land being the most important component of the environment in addition to its indispensability as the critical factor of production. The Intergovernmental Panel on Climate Change (IPPC) declared that mountainous countries will experience a decline in crop yield due to an increase in water stress (either too much or too little) and land degradation (IPCC, 2007). Recognizing soil as the largest terrestrial Soil Organic Carbon (SOC) storage, Bhutan's Intended Nationally Determined Contribution (INDC) mentions soil and land development as a means to both mitigate and adapt to climate change and ensure continuous ecosystem services (INDC, 2015).

Similarly, the National Biodiversity Strategies and Action Plan (NBSAP) mentions that the incomplete physical zonation of the Protected Areas (PA) has resulted in ad-hoc zoning of services/facilities and resource extraction, which at times, challenge the conservation objectives and policies and therefore recommends completion of zonation of the PA by 2018 (NBSAP, 2014).

The State of the Environment 2016 recommends the identification and prioritization of critical forests, habitats, and watersheds; completion of land capability mapping at the earliest to identify areas that can sustainably support various uses such as agriculture or other development activities; and demarcation of boundaries of all PA on the ground by the end of 11th FYP.

There are concerns expounded in the United Nations Convention to Combat Desertification (UNCCD) on poor land uses that cost a nation by GDP share. Based on the 21 countries' land degradation profiles, it was concluded that an average loss for a country is equivalent to 9% of GDP due to its poor land use management practices (UNCCD, 2018). This figure is even higher or bears the highest costs, estimated at USD 84 billion and 65 billion per year respectively for Asia and Africa. As such healthy land is the primary asset that supports livelihoods around the globe, from food to jobs and decent incomes.

Further, the following policies and legal provisions emphasize the need for NLUZ initiative:

- Article 5 (b) of the Constitution of the Kingdom of Bhutan 2008 states, "The Government shall ensure a minimum of 60% of the total land area is maintained under forest cover for all time";
- The Economic Development Policy (EDP) of the Kingdom of Bhutan 2016 requires NLC to prepare a national land use plan for State Reserve Forest Land outlining the use of land for optimal use by 2018 and all relevant sectors are mandated to provide sectoral parameters to NLC by 2017;
- The Bhutan National Adaptation Program of Action (NAPA) 2006 requires clear zoning of vulnerable areas of natural hazards;
- Section 303 of the Land Act of Bhutan 2007 requires the assessment of present and future needs by evaluating the land's capability to supply them; identifying and resolving conflicts between competing uses, between the needs of individuals and those of the community, and between the needs of the present generations and those of future generations; and seeking sustainable options and choosing those that bring about the desired economic, social and environmental wellbeing of the citizens of Bhutan; and
- Bhutan National Human Settlement Strategy 2017 aims to ensure an integrated balanced development of settlements, both rural and urban inclusive of environmental conservation, preservation of culture and decentralization to promote participatory development.

Despite these mandates and provisions enshrined in various national and international documents, socio-economic development activities continue to take place in a sporadic manner impacting the state of the land and land based resource governance. Various stakeholders go about consuming land on a first-come-first-serve basis. Although all the stakeholders do what they do with the best intentions, these intentions do not help weave an overall fabric that will help use the scarce land resources in a sustainable manner. This is, indeed, largely due to the lack of proper NLUZ put in place nationally. Therefore, to have more resilient and transformative socio-economic development, it is imperative to have a sound NLUZ system to judiciously harness our limited land resources, based on their potential, to provide various ecosystem services for the well-being of the present and future generations.

## PRINCIPLES

The NLUZ initiative is guided by the following key principles:

- Optimize the use of different land resources based on their capability and suitability;
- Minimize land degradation, ensure sustainable agriculture, reduce climate change, and enhance ecosystem services through appropriate land use systems;
- Ensure constitutional requirement of 60% forest cover at all times;
- Safeguard food and nutrition security;
- Enhance socio-economic development while ensuring environmental well-being;
- Ensure sustainable land resource and environment management to enhance resilience to climate change;
- Promote transformative socio-economic development; and
- Promote Smart Growth, habitats and preserve heritage sites.

## OBJECTIVES

Broadly, the objectives of NLUZ is to ensure a better quality of life for the people, a strong and competitive economic position, and an environment of the highest quality.

Specifically, the NLUZ desires to achieve the following objectives:

- To establish a harmonized national land use system in the country;
- To revalidate and delineate designated areas and macro land uses for better management;
- To designate dysfunctional and functional land uses for any categories of development based on capability and suitability;
- To establish a sound online database and maps of national zoning to facilitate a scientific-based decision-making process;
- To make optimum, rational and sustainable use of limited arable land by discouraging competition and avoiding land use conflicts;
- To facilitate the establishment of spatial/ land use ordinances; and
- To provide a scientific basis for governance and decision-making process.

## EXPECTED BENEFITS

As the NLUZ initiative segments into three successive editions, the expected benefits corresponding to each edition can be staggered in three stages, viz. immediate, intermediate and impact level. The immediate benefit is in creating a spatial data repository platform that shall serve as a reference for any form of land releases for any sectoral requirement, until next two editions are carried out for higher value addition and benefits. The intermediate and impact level benefits shall be at medium and long term goals as highlighted in Figure 1. However, the instant benefits derived in the course of NLUZ exercises are also highlighted in the separate topic toward the end of this overview report.



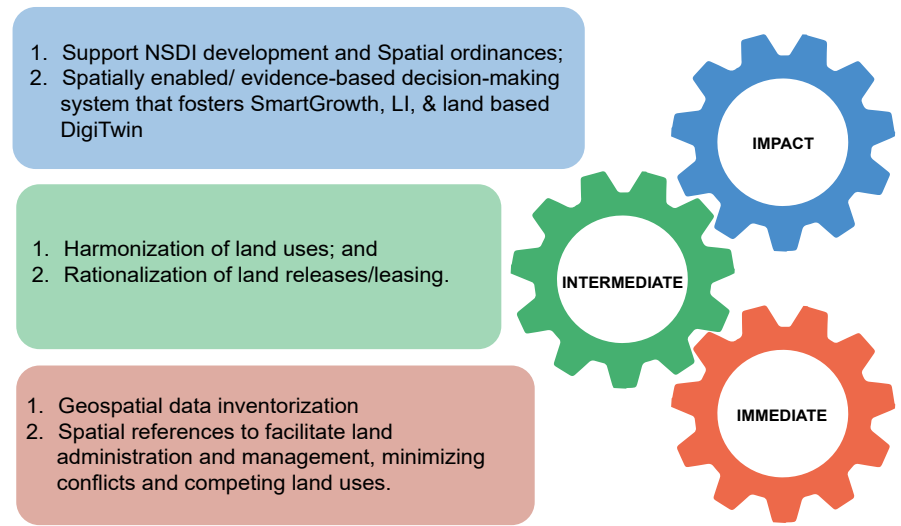


Figure 1. Expected benefits of NLUZ

Generally, the NLUZ would immensely benefit in terms of creating credible spatial information and a platform for cross-sectoral access and use for diverse decision making processes. Internationally, at all levels of governance, spatial and strategic land use plans are considered as critical instruments to guide any form of development plans, policies, programs and projects. For instance, the OECD Land Use Governance Survey has identified 229 different types of plans which are fundamentally based on spatial formation. In the case of Bhutan, spatial importance and sensitivity is yet to be realized optimally. However, with the changing need and spatial integration into certain planning and decision making processes, importance has been increasing over the time. It is estimated that during the 10th and 11th Five Year Plans alone, the Royal Government has invested over Nu. two Billion in geospatial creation and related activities, particularly cadastre, base mapping and spatial planning which is a significant investment and priority by any comparison.

## SCOPE

A nationwide land use zonation as envisaged would take a while and entail intensive resources to realize the overall objectives. However, as the exercise merits national importance and priority, it is essential to at least establish a spatial platform resolving cross-sectoral technical anomalies and potential conflicts in land uses by adopting acceptable process and methodology. Due to these exigencies, a decision to have this edition has emerged, to primarily serve as spatial references for the land and allied sectors in ensuring spatially enabled land and land based resource management.

For this report, all land types that were used for land administration purposes were reclassified into macro land uses based on relevance and actual land uses on the ground beside the creation of spatial inventory. The geo-processing and map analysis were carried out to come up with the zoned outputs. In succinctly, Figure 2 exhibits the overall scope of the NLUZ, in which the scope of this edition is segmented with the broad interventions subsumed within it.

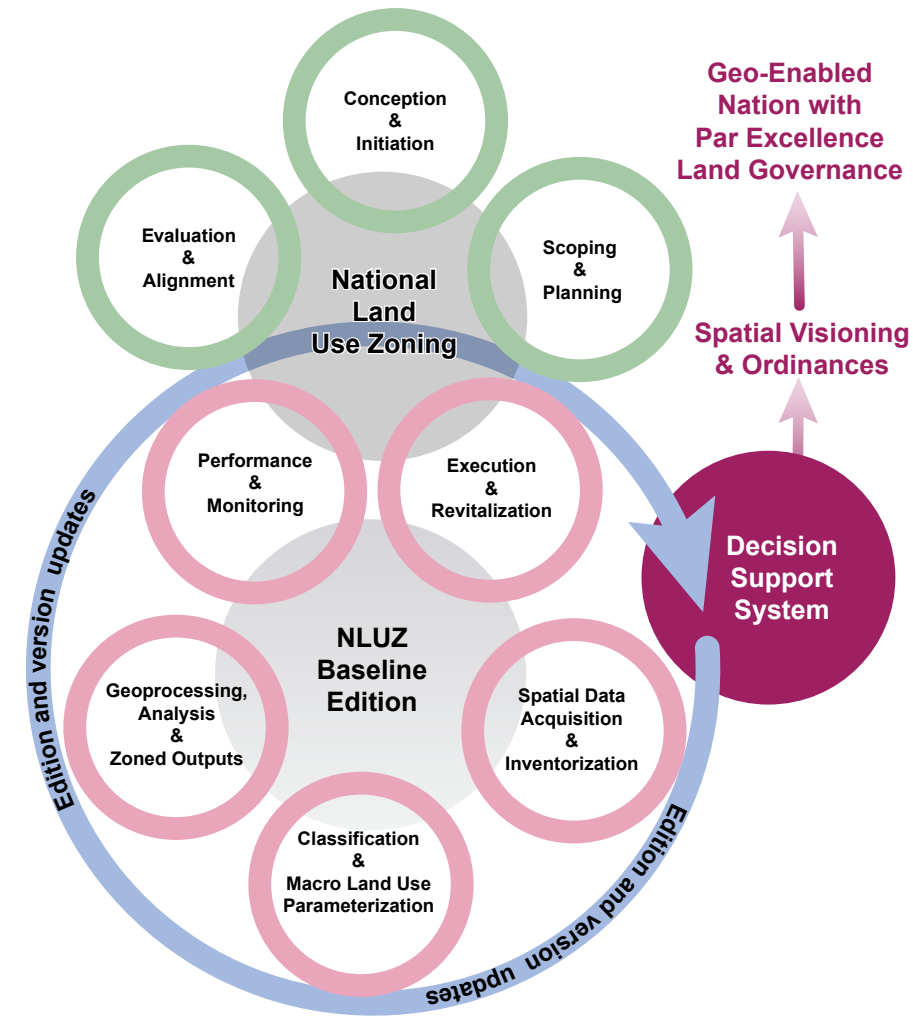


Figure 2. Scoping of the NLUZ

The overall NLUZ initiatives shall constitute successive editions, until finally accomplishes the full cycles of NLUZ as envisaged and contribute to establish relevant spatial ordinances and support any extent of local/ strategic decision making processes for the country.

## EXECUTION MODALITY

In a highly volatile global scenario where development planning and decision-making process becomes more dependent on geospatial analysis and location intelligence, NLUZ has become crucial and thus initiated as a matter of priority for the country. First High Level Consultation (HLC) meeting was convened to discuss the matter, followed by stakeholder consultations to implement the directives and come up with an actionable way forward. The general consensus from the consultation fostered urgent need to take up NLUZ considering any best practices in the region and around that shall have fit-for-purpose land use for the country. Accordingly, a cross-agency TWG was formed and a concept paper was developed and presented to the 14th Gross National Happiness Commission (GNHC) meeting. The proposal was approved on an urgent basis and undertaken as a priority project.

Since land in general cuts across all sectors, NLUZ called for multi-stakeholder engagement and ownership. To foster better coordination and ensure efficiency, effectiveness and accountability in the initiatives, an implementation guideline was developed in 2018 with the phased modalities as indicated in Figure 3. In concurrence, based on the overall implementation guidelines, a technical guideline was developed by NLCS to coordinate and implement technicalities involved in the exercises.

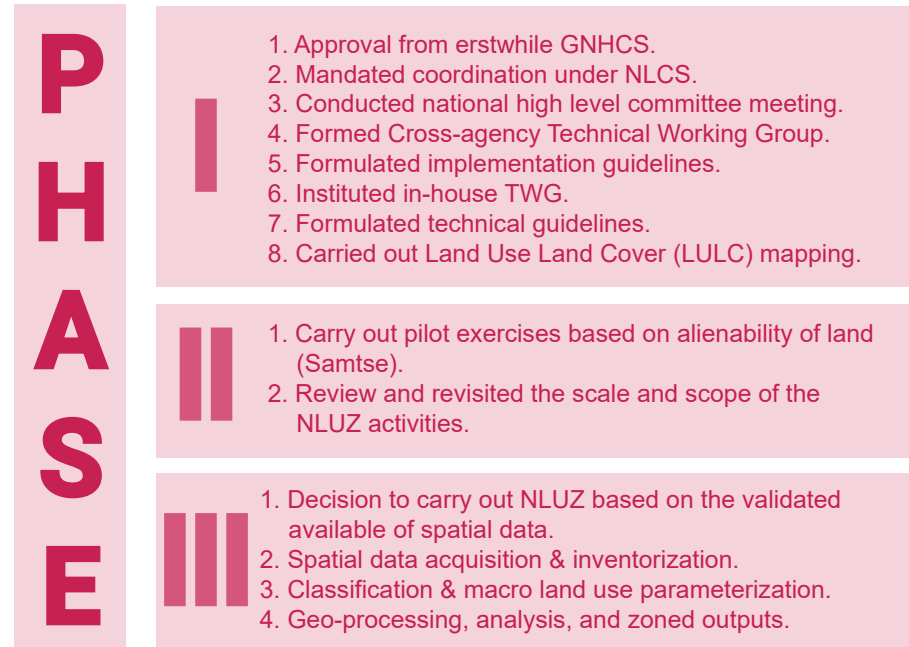


Figure 3. Execution modality of NLUZ

Based on the two guidelines adopted, the in-house TWG (coordinating agency) initiated the Land Use Land Cover (LULC) mapping 2020 which shall be one of the precursors for initiating the NLUZ mapping. Entire activities for NLUZ were scheduled to be carried out in an ideal situation. However, due to inevitable circumstances unrolled from COVID-19 pandemic, most of the specific activities could not be undertaken in time. It was then scoped down to alienable land zonation, which is a segment of macro land use zonation.

It is only in the recent months of this fiscal year that the NLUZ exercise was reinstated to be conducted based on the credible spatial data availability in the country. Revitalizing this scope, in-house TWG was reinstated and commenced the exercise with intensive study to reinvent the fit-for-purpose methodology and ensure desired zone outputs. All the relevant agencies were then consulted and cross-agency TWG members reinstated from the agencies as mapped in Figure 4 to collaborate in carrying out initiatives under the revised scope of the NLUZ.

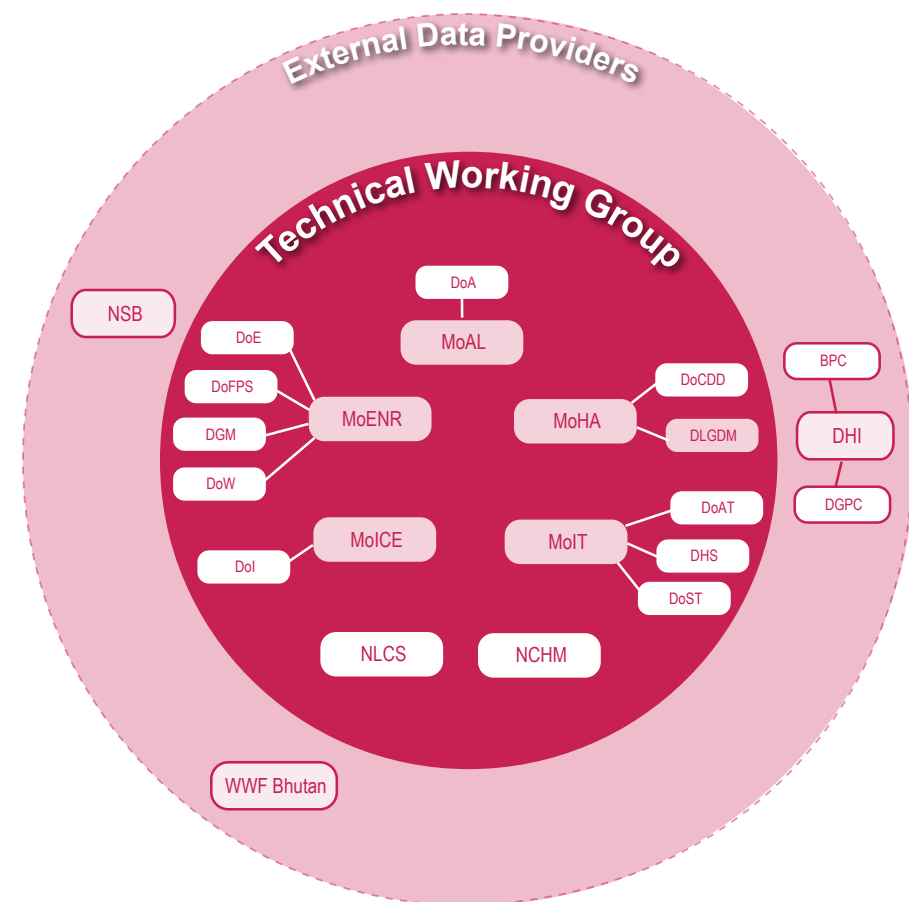


Figure 4. TWG and collaboration

As of date, there has been steady support and spectrum of engagement within RGoB and allied agencies, particularly from the respective ministries, WWF with IKI funding and REDD+ support. Collectively, the NLUZ exercise has now reached this stage to produce this edition report.

## METHODOLOGY

The in-house TWG adopted an appropriate methodology that constitutes five key steps to realize desired map outputs as shown in Figure 5. In inventorying the entire spatial data in the country, exhaustive data validation and cleaning processes have been considered to qualify for the NLUZ mapping. Based on the quality of spatial data obtained, reclassification of land uses was carried out, for which the metadata (Appendix 2) has been established. For every reclassified land use, technical definitions were accorded and validated from all round sources, especially from the concerned agency documents and TWG consultations to support spatial parameterization of land uses. It was then followed by geo-processing, map analysis and zone output steps. The details involved in the five steps in methodology for this edition is indicated in Figure 5.



Figure 5. Methodology for NLUZ mapping

### STEP 1: DATA ACQUISITION AND VALIDATION

The NLUZ report is determined based on the quality inventory of spatial data from cross-agencies. Whatever the spatial datasets obtained were put to a logical validation process, cleaning, and classification based on the geoprocessing and map analysis method adopted by the TWG. The data validations have been carried out for all spatial datasets in the form of point, line, polygon, and raster, received from respective agencies, including in-situ cadastral and Thram (registry) databases. Over 23 land types were found uncovered from the prevailing cadastral data, however, these were condensed to nine macro land uses through an appropriate reclassification process. It was logical and found correct to reclassify the existing land types since these were meant for land administration purposes and found irrelevant for NLUZ, which considers actual land uses on the ground.

Apart from in-situ cadastral datasets used, a large extent of cross-agency spatial datasets were acquired as per abstract in Table 1 and validated through different processes and techniques involving a focal person from respective agencies.

However, the data acquisition and standardization processes were found crucial for not only NLUZ but also to know the processes adopted by individual cross-agencies, prior to and during NLUZ exercises. The data acquisition and method corresponding to every data acquired and data owner is enlisted in Table 2. This is mainly to ensure data ownership and limit the distortion of technical processes adopted by the respective agencies, unless there are basic technical anomalies requiring alignment and corroborate with the latest updated cadastral and administrative boundaries.

### STEP 2: SPATIAL DATASET INVENTORIZATON

The process of spatial data inventory involves documenting the metadata of all geospatial datasets utilized for NLUZ purposes. According to the International Organization for Standardization (ISO), metadata in the context of the geospatial domain refers to 'information about a resource', essentially representing data that describes the characteristics and properties of the dataset itself. Metadata plays a crucial role in the context of NLUZ by providing essential information and context to enhance understanding and analysis of the data.

The importance of metadata in NLUZ can be highlighted in the following ways:

- Spatial Context:** Metadata includes geospatial information such as coordinate systems and projections. This information is vital for accurately visualizing and analyzing land use data on maps or in Geographic Information Systems (GIS), ensuring the proper spatial context of the zoning data;
- Data Source and Quality:** Metadata provides insights into the sources of land use data, such as government surveys, satellite imagery, or other authoritative sources. It also describes the data collection methods and accuracy. Understanding the data source and quality is important for assessing its reliability and suitability for specific analyses or decision-making processes;

Thematic Layers		
Data	Type	Source
Nine Macro & Twenty Three Micro Land Uses	Polygon, Point	
LULC 2020	Polygon	NLCS
RoW & Buffers (Road Network, Powerlines, Flight Funnel, Heritage Buffer Zone, and Flood Hazard Map)	Polygon	
Demography	Attribute	NSB

Fundamental Geospatial Layers		
Data	Type	Source
Admin Boundary	Polygon	NLCS
Admin Points (Gewogs)	Point	NLCS
Airports	Point	DoAT
Bhutan Glacial Lake Inventory	Polygon	NCHM
Bhutan Glacier Inventory	Polygon	NCHM
Building Footprints	Polygon	CID, CGI
Cadastral and Thram Database	Polygon	NLCS
Community Forest	Polygon	DoFPS
Contour (1:50K & 1:25K)	Line	NLCS
Cultural Site Viewpoints	Point	DoCDD
DEM	Raster	NLCS
Existing Hydropower Plant	Point	DoE
Existing Mines	Polygon	DGM, NLCS
Feasible Airstrips and Helipads	Polygon	DoAT, NLCS
Flight Funnel	Polygon	DoAT
Forest Management Unit	Polygon	DoFPS
Geographical Names	Point	DLGDM
Gyalsung Visibility Area	Polygon	NLCS
Heritage Buffer Zone	Polygon	DoCDD
Heritage Conservation and Village Zone	Polygon	DoCDD
Heritage Sites (Nye Atlas)	Point	NLCS
Institutions	Point	NLCS
Key Biodiversity Area	Polygon	DoFPS
Mini Hydel	Point	BPC
Paro Flood Hazard Map	Polygon	FEMD
Payment for Ecosystem Services	Polygon	DoW
Potential Recharge Area	Polygon	DoW
Powerline_Buffer (RoW)	Polygon	DoE
Powerlines	Line	DoE
Prospective Mineral Zone	Polygon	DGM
Protected Area	Polygon	DoFPS
Protected Chhuzhing	Polygon	DoA
PSMP Dam	Point	DoE
PSMP Powerplant	Point	DoE
PSMP Reservoir	Polygon	DoE
PSMP Waterway	Line	DoE
Ramsar Site	Polygon	DoW
Road	Line	DoST, NLCS
Road Buffer (RoW)	Polygon	DoST
Samtse Flood Hazard Map	Polygon	FEMD
Satellite Imagery (Google, OSM & Bing)	Raster	Open Source
Tashigang Flood Hazard Map	Polygon	FEMD
Water Sources	Point	DoW
Waterways	Line	DoE

Table 1. Spatial Datasets

- Data Currency:** Metadata provides information regarding the currency and status of specific geospatial data. This includes details on the year of acquisition and the completion status of spatial data. By understanding this information, the NLUZ TWG can identify which datasets require updating in the subsequent edition of the NLUZ initiatives;
- Data Custodianship:** Metadata can include information about the data owner or custodian, indicating the individual, department, or organization responsible for managing and maintaining the data. This information establishes a point of contact for a specific geospatial dataset, enabling users to reach out to the data publisher or acquirer for additional information or inquiries related to the data; and
- Data Integration and Interoperability:** Metadata enables data integration and interoperability by providing information about data structures, formats, and relationships. It helps users understand how different datasets can be combined or linked, facilitating data integration across systems and enabling seamless data exchange.

The metadata is created based on the standard and guidelines of ISO, specifically ISO 19115 (Geographic Information-Metadata) considering the entire schema classes and elements. Although the ISO's metadata framework encompasses several components, for this edition, only seven specific metadata schema classes were utilized. These classes include data identification information, contact information, data quality, date information, mode of acquisition, spatial reference system, and distribution. Figure 6 illustrates the metadata classes and their elements used in the context of



SI	Agency	Data	Data Acquisition Model	Geoprocessing Method
1	Department of Forest and Park Services (DoFPS)	Key Biodiversity Area (KBA)	Handheld GPS and SW Maps (Mobile App). Also used Google Earth Pro to map inaccessible areas.	Data submitted as it was maintained previously by the Department.
		Protected Area (PA)	Delineated on Topographical map and Google Earth Pro and processes using ArcGIS and QGIS.	Since protected areas were delineated using old international boundaries, realignment of the map with that of international boundary and district boundaries was perceived necessary and aligned accordingly.
		Community Forests (CF)	Handheld GPS, SW Maps (Mobile App) and Google EarthPro	Entire CF boundaries had to be validated overlaying updated cadastral maps provided by NLCS. The cadastral maps were clip over CF maps and area recalculated
		Forest Management Unit (FMU)	Handheld GPS, SW Maps (Mobile App) and Google Earth Pro	Data submitted as it was maintained previously by the Department.
2	Department of Geology and Mines (DGM)	Prospective Mineral Zone and Existing Mines	Total Station, GNSS-RTK, handheld GPS, Back-Bearing	T oposheet-wise geological mapping and site-specific detailed studies on larger scales was carried out. These maps were georeferenced and digitized for the purpose of zoning. Wherever large scale maps were absent, small scale maps were used for the zoning process. The "prospective mineral zone and mining area" is created by combining different mineral zones, including industrial minerals, metallic minerals, fuel minerals, and construction materials. Since data from various sources is used to delineate this zone, the highest accuracy of this zone would be on a scale of less than 1:50,000 only. Approximately 11.56% or 4,438 square kilometers of the total area are designated under this zone.
3	Department of Energy (DoE)	Existing and Under Construction Hydropower Plants	Total station, GNSS, DGPS, Satellite imageries, Google Earth Pro	Merged all the point data(Dam & Powerhouse) and line data (waterways) of both the Existing and Under Construction Hydropower plants. Verified the Surface Powerhouse location against the NLCS cadastral data and reclassified the Land Use Zone as "Industrial" zone
		PowerLine and RoW Buffer	Handheld GPS, Spatial Analysis Tool (Buffer)	The line data of the transmission lines were in separate layers, so they were merged in a single layer. Also the RoW buffer has been compiled in one layer.
		Power System Master Plan (PSMP) 2040 sites	Digital Elevation Model (DEM), Google Earth Pro and Satellite Imageries	Data submitted as it was maintained previously by the Department.
4	Department of Surface Transport (DoST)	Road Data and Buffer	GPS Logger, Contour Camera and dash cam, Spatial Analysis Tool (Buffer)	50 feet buffer zones for all national highways data.
5	Department of Agriculture (DoA)	Protected Chhuzhing	Processed by buffering and clustering reclassified cadastral Chhuzhing data provided by NLCS.	5 meter buffer around the chhuzhing plots and dissolving the intersected boundary to cluster the contiguous chhuzhing plots within 10 meter distance. The Chhuzhings within a same buffer polygon with a combined total area of 10 acres and above within an altitude of 2500 meters are classified as protected chhuzhing.
		Regulated Chuzhing	Processed by buffering and clustering reclassified cadastral Chhuzhing data provided by NLCS.	5 meter buffer around the chhuzhing plots and dissolving the intersected boundary to cluster the contiguous chhuzhing plots within 10 meter distance. The Chhuzhings within a same buffer polygon with a combined total area less than 10 acres or located above an altitude of 2500 meters are classified as regulated chhuzhing.
6	Department of Culture and Dzongkha Development (DoCDD)	Conservation zone and Buffer zone of Heritage sites	Extracted from cadastral map and rationalized for inclusion or exclusion of certain necessary features or area of conservation zone.	Buffer zones are generated considering: <ul style="list-style-type: none"><li>• 300 m buffer from the boundary of the core zone;</li><li>• Visual integrity with respect to view points, angle of view,foreground and backgrounds of heritage;</li><li>• Private lands that either falls inside partially or completely'; and</li><li>• GIS tools are used in generating buffer zones for scientific and rational approach thereby eliminating human discriminations and errors.</li></ul>
7	National Land Commission Secretariat (NLCS)	Cadastral Reclassified	The data is acquired using the Total station and GNSS-RTK equipment.	Extracted ownership and land type based on the cadastral map and Thram database. Generalised and reclassified the land type to land use with reference to other available data like building footprint, nye atlas, geographical names and satellite images.
8	Department of Human Settlement (DHS)	Urban Boundary	Digitized from 1:50k topo base map	Thromdes and Boundaries 2nd July 2010 has been used as the basis of the Zone. The Zone is established based on the Thromdes and Boundaries of 2nd July 2010. The NLCS provided the spatial data for the thromde boundary of 2010, but the projection system and Datum were not aligned with the DrukRef03. Therefore, in collaboration with NLCS officials, a datum transformation was performed on the thromde boundary of 2010, and it was reprojected onto the DrukRef 03 reference system. However, there have been some settlements that have expanded their boundaries, as well as newly planned settlements that have received approval and been implemented on the ground. For these settlements, their latest boundaries have been utilized. In the strategic zones, all planning boundaries have been incorporated.
9	Department of Industry (DoI)	Industrial Parks (IP)	The boundary of IP was demarcated using the total station instrument.	Data submitted as it was maintained previously by the Department.
10	Department of Air Transport (DoAT)	Prospective Industrial Zones	The final boundary for proposed IP is not yet endorsed.	Data submitted as it was maintained previously by the Department.
		Helicopter Landing Spots (Helipads)	Captured from Helicopter V2 Tracking System	Obtained an Excel file containing the coordinates for the operational helicopter landing spot. Converted the coordinates from degrees, minutes, and seconds to decimal degrees and verified the location using Google Earth. Converted the data for the operational helicopter landing spot into a shape file format.
		Flight Funnel Map for Paro International Airport	Surveyed and data captured using GNSS RTK & ToS by DHS Surveyors	Data submitted as it was maintained previously by the Department.
11	Department of Water (DoW)	Payment for Ecosystem Service (PES)	Delineated in Google Earth Pro	Data submitted as it was maintained previously by the Department.
		Potential Recharge Area	Delineated in a Google Earth Pro	Data submitted as it was maintained previously by the Department.
		Water sources	Geocoded using GPS	Data submitted as it was maintained previously by the Department.
		Ramsar Site	Surveyed using GPS	Data submitted as it was maintained previously by the Department.

NLUZ. More detailed and comprehensive metadata can be found in Appendix 3, providing additional information related to the dataset used in the NLUZ.

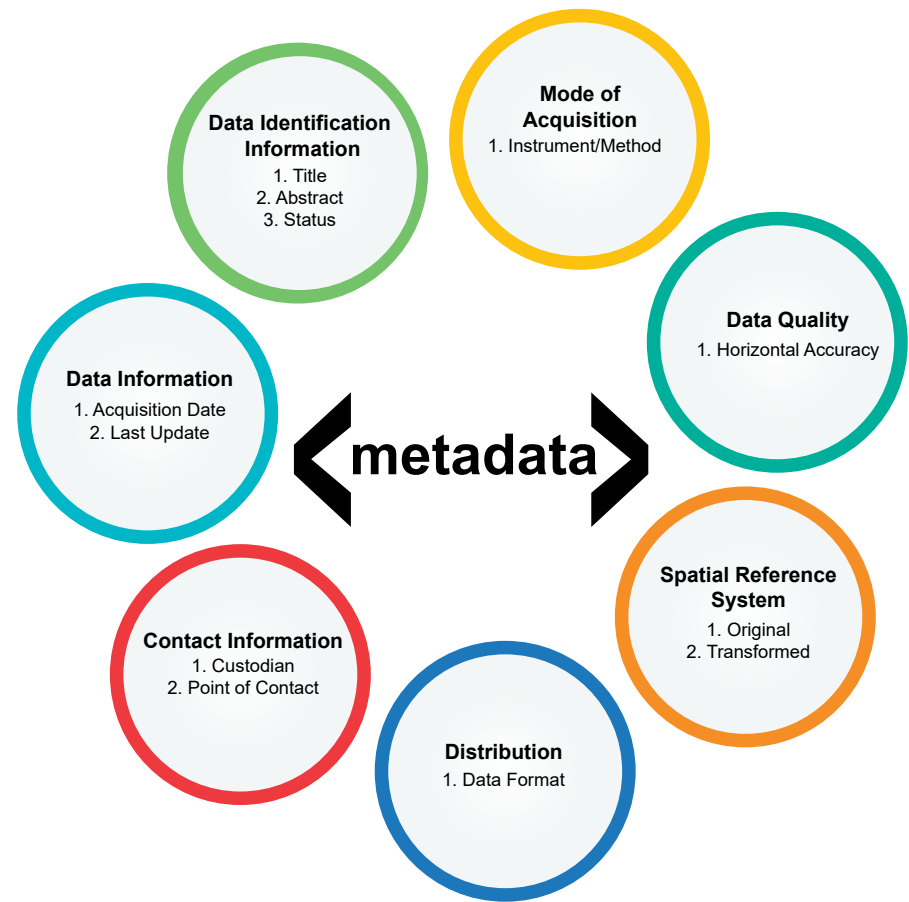


Figure 6: Metadata classes and elements

### STEP 3: DEFINING FEATURE DATASETS AND ZONES

To support the parameterization, the technical definitions, either in the form of descriptive or normative were used for all thematic as well as fundamental geo-spatial layers used for NLUZ mapping and analysis. The definitions were based on relevant legal documents/ references in voyage and credible national and international sources. In the event of the absence of definitions, TWG undertook confirming studies across and adopted the definitions.

#### Thematic Layers

As highlighted in Table 1, the major thematic layers viz. 9 macro zones; 23 micro zones and 23 nano zones; relevant Right of Ways (RoW) or buffers; LULC; and demography components have been considered for technical definitions as enlisted in the following:

Nine Macro, Twenty Three Micro and Twenty Three Nano Land Use Zones

#### Macro Zone 1: Agricultural Land

Agricultural land refers to land devoted to crop production and livestock rearing to produce food, fibre and fuel for human sustenance (DAO, 2023). It consists of four micro land use zones as follows:

**MICRO ZONE 1.1. KAMZHING:** Means agricultural land (with or without bench terraced) which can be used for multiple agricultural purposes including dryland cropping (cereal crops, vegetables, MAPS), establishment of orchards, plantation crops and improved pasture.

**MICRO ZONE 1.2. PROTECTED CHHUZHING:** Means irrigated and bench terraced agricultural land that are demarcated and mapped out in clusters to be protected and used for paddy cultivation only to ensure at least 35% rice self-sufficiency for all times to come. Protected chhuzhing will not be allowed for conversion or other agricultural use (DoA, 2023).

**MICRO ZONE 1.3. REGULATED CHHUZHING:** Means irrigated and bench terraced agricultural land that are outside of Protected Chhuzhing, which can be used for paddy production (if owners are interested) and other agricultural purposes as in Kamzhing (DoA, 2023).

Micro Zone 1.4. Agricultural Leased Land: Refers to productive state land leased for commercial agriculture and livestock farming for a defined period of time with a right to use land but no ownership of land (DoA, 2023).

#### Macro Zone 2: Rural Settlement

Refers to settlement other than defined/ demarcated urban settlements, which includes residential and institutional land used for dwellings or some form of rural habitations in clusters or scattered setups. It is also defined as settlement for displaced populations settled on land outside of cities and towns and the population is often dependent on agricultural and pastoral practices and has fewer community infrastructure systems than in urban settlements (UNHRC, 2020).

**MICRO ZONE 2.1. RESIDENTIAL LAND:** Means a registered land for dwelling house both in Thromde/urban and rural areas (Land Act, 2007).

**MICRO ZONE 2.2. INSTITUTIONAL LAND:** Means the registered land for office complexes, research stations, academic, medical, and religious establishments (Land Act, 2007). Institutional land use within Thromde boundary is classified under the urban zone.

#### Macro Zone 3: Sustainable Forest Management Area (SFMA)

Refers to a designated area or region of the forests where the management practices and activities are carried out in a manner that ensures the long-term health and productivity of the forest ecosystem while meeting the social, economic, ecological, and cultural needs of present and future generations. Sustainable forest management involves balancing the utilization of forest resources with the conservation and protection of forests, ecosystems, biodiversity, and other environmental values. It includes scientific management areas such as FMU, working scheme, CF and Local Forest Management (Forest and Nature Conservation Code of Best Management Practices of Bhutan, Vol I & III)

**MICRO ZONE 3.1. FOREST MANAGEMENT UNIT (FMU):** Means an area of State Reserved Forest Land designated for scientific management of forest (FNCA, 2023).

**MICRO ZONE 3.2. COMMUNITY FORESTS (CF):** Means any area of State Reserved Forest Land designated for management by a local community (FNCA, 2023).

**MACRO ZONE 4: NATURE CONSERVATION AREA (NCA):** Means any designated area that is primarily established for the conservation and protection of natural ecosystems, biodiversity, and ecological processes to safeguard unique or sensitive habitats, endangered species, or areas of high ecological value. It includes areas declared to be a National Park, Wildlife Reserve, Nature Reserve, Protected Forest, Biosphere Reserve, Critical Watershed, Biological Corridor or any other area meriting protection. The primary focus in these areas is the preservation of natural resources, including flora, fauna, landscapes, and natural features, while restricting or regulating human activities that may harm or disrupt the ecosystems (FNCRR, 2017)

**MICRO ZONE 4.1. PROTECTED AREA (PA):** Means an area, which has been declared to be a National Park, Wildlife Reserve, Nature Reserve, Protected Forest, Biosphere Reserve, Nature Reserve, Strict Nature Reserve, Critical Watershed, Biological Corridor, or any other area meriting protection (FNCA, 2023).

**NANO ZONE 4.1.1. NATIONAL PARK:** Means large natural or near natural areas set aside to protect large-scale ecological processes, along with the complement of species and ecosystems characteristic of the area, which also provide a foundation for environmentally and culturally compatible spiritual, scientific, educational, recreational and visitor opportunities (Forest & Nature Conservation Code, 2021).

**NANO ZONE 4.1.2. WILDLIFE SANCTUARY:** Is an area where animal habitats and their surroundings are protected from any sort of disturbance (Forest & Nature Conservation Rules & Regulations, 2017).

**NANO ZONE 4.1.3. STRICT NATURE RESERVE:** Means protected areas that are strictly set aside to protect biodiversity and possibly geological/ geomorphological features, where human visitation, use and impacts are strictly controlled and limited to ensure protection of the conservation values. Such protected areas can serve as indispensable reference areas for scientific research and monitoring (Forest & Nature Conservation Code, 2021).

**NANO ZONE 4.1.4. BIOLOGICAL CORRIDOR:** Means an area set aside to connect one or more Protected Areas (Forest & Nature Conservation Rules & Regulations, 2017).

**NANO ZONE 4.1.5. BOTANICAL PARK:** Are those areas that are preserved and maintained for in-situ conservation of floral diversities.

Except for the biological corridor (4.1.4) and botanical park (4.1.5), the DoFPS has identified four zones in all PAs as follows:

a. **CORE ZONE:** Means an area within a protected area undisturbed by significant human activity having high conservation values for the persistence of flora and fauna of international, national or local importance including resident or migratory fauna (FNCA, 2023).

b. **TRANSITION ZONE:** Means an area of interdependence between wildlife and local communities within a protected area wherein, traditional and legal rights for sustainable use of natural resources is permitted for a designated period of time in a year (FNCA, 2023).

c. **BUFFER ZONE:** Means an area within a protected area adjacent to core and transition zone that provide cushioning function when the core or transition zones are located in the immediate vicinity of anthropogenic disturbances both from within and outside of the protected area (FNCA, 2023).

d. **MULTIPLE USE ZONE:** Means an area within a protected area which may include settlements, built-up areas, private registered lands and resource allocation areas for the protected area residents (FNCA, 2023).

**MICRO ZONE 4.2. OTHER EFFECTIVE AREA-BASED CONSERVATION MEASURES (OECM):** Are areas achieving the long-term and effective in-situ conservation of biodiversity outside of protected areas (IUCN).

**NANO ZONE 4.2.1. KEY BIODIVERSITY AREA (KBA):** means sites contributing significantly to the global persistence of biodiversity (IUCN, 2016). In the context of Bhutan, the word 'global' in this definition may be replaced with 'national' when deemed necessary, and 'sites' shall refer to 'areas outside protected areas'. As such, KBAs are sites outside protected area networks, contributing significantly to the global and/or national persistence of biodiversity.

**NANO ZONE 4.2.3. HIGH CONSERVATION VALUE:** High Conservation Value (HCV) is an approach to enable informed decision-making [decision makers] on how to maintain the important cultural and natural heritage found outside the protected area system (National Interpretation for the Identification of High Conservation Values in Bhutan, 2022).



Table 2. Data acquisition and standardization processes of the cross-agencies





**MICRO ZONE 4.3. SIGNIFICANT WATERSHED:** Refer to an area which is drained by a river or its tributaries, and which protects the supply of water for drinking, irrigation, flood control, hydroelectric projects, and related purposes.

**NANO ZONE 4.3.1. CRITICAL WATERSHED:** Means any area critical for protecting the supply of water for drinking, irrigation, flood control, hydroelectric projects or related purposes which has been declared to be a critical watershed by the Parliament (Forest & Nature Conservation Rules & Regulations, 2017).

**NANO ZONE 4.3.2. POTENTIAL RECHARGE AREA:** Shall mean a land area in which water percolates through the soil to recharge under aquifers that forms marsh, fen, bog, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh or brackish, including snow and glaciers, etc. (Draft FNC Bill, 2021).

**NANO ZONE 4.3.3. PAYMENT FOR ECOSYSTEM SERVICES:** Refers to a “pay for performance” approach to financing the conservation of natural resources whereby Ecosystem Services (ES) providers receive payments (economic incentives) from ES beneficiaries/users that are conditional on specific conservation performance. The common types of PES schemes include watershed services, biodiversity protection, scenic/landscape beauty, carbon sequestration and bundled ecosystem services (Watershed Management Division, MoAF, 2017).

**NANO ZONE 4.3.4. WATER SOURCES:** These are point data recorded above the water tapping point, an inventory of water sources currently used for drinking, irrigation and commercial purposes by our people in all the 20 Dzongkhags.

**MICRO ZONE 4.4. WETLAND:** Means areas of marsh, fen, bog, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh or brackish, including snow and glaciers.

**NANO ZONE 4.4.1. RAMSAR SITE:** Ramsar Sites are wetlands of international importance that have been designated under the criteria of the Ramsar Convention on Wetlands for containing representative, rare or unique wetland types or for their importance in conserving biological diversity (Ramsar Convention, 1971).

**NANO ZONE 4.4.2. WETLAND OF NATIONAL IMPORTANCE (INCLUDING WETLAND CATERING TO WATER SOURCES):** includes any wetland (marsh, fen, bog, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh or brackish, including snow and glaciers, etc.) that may have spiritual/religious, cultural, socio-economic, habitat of endangered, rare, endemic flora and fauna, etc.

### Macro Zone 5: Industrial

It refers to a tract of land developed and sub-divided into plots according to a comprehensive plan with the provision of roads, transportation and public utilities, sometimes with common facilities as well, for use by a group of manufacturers (UNIDO, 2019).

**MICRO ZONE 5.1. MANUFACTURING AND PRODUCTION INDUSTRY:** Refers to physical and chemical transformation of materials or components into new products whether the work is performed by power-driven machine or by hand, whether it is done in a factory or in the worker’s home, and whether the products are solid at wholesale or retail. The Manufacturing and Production Industry includes;

- Mineral and Chemical based industry (heavy industries such as Ferro alloys, silicon, lime manufacturing, etc);
- Agro and Food-based industry (Poultry processing, breweries, food, beverage processing, production of drink and bottled water, etc);
- Wood and Forest-based industry (Integrated Wood Based activities, bamboo products, furniture house);
- Other industries (Plastic based industry, manufacture of pipes trays, textiles, bricks); and
- Electricity generation (hydropower projects).

**MICRO ZONE 5.2. SERVICE INDUSTRY:** The Service Industry covers all the activities where labor is the main input and the activity is geared towards meeting the direct needs. The service Industry includes hotels, consultancies and hiring, repairs and maintenance, transport and communication, financial and insurance services, and education and medical services (MoIT, 1994).

**MICRO ZONE 5.3. EXISTING MINES:** Means land covered under a mining lease (Mines and Mineral Management Act, 1995).

### Macro Zone 6: Cultural Heritage

The cultural heritage zone comprises of immovable cultural property, heritage sites and intangible cultural heritage (Cultural Heritage Bill of Bhutan, 2016).

**MICRO ZONE 6.1. RELIGIOUS SITES:** Means sites which may not be categorized as heritage sites but hold religious importance like new temples, registered under Zhung Dratshang or religious organizations recognized by the law. Religious site also includes old Dzongs and Lhakhangs which hold both religious and heritage value. Example; Wangditse Lhakhang, Tashichho Dzong (DoCDD,2023).

**MICRO ZONE 6.2. HERITAGE VILLAGE:** Means designated village for cultural, historical, scientific, or other forms of significance that forms the part of national heritage landscape. Example: Rinchengang in Wangdue Phodrang, Trong village in Zhemgang (DoCDD, 2023).

**MICRO ZONE 6.3. HERITAGE CONSERVATION ZONE:** Heritage Conservation zone is defined as the area surrounding the Registered Heritage Building or the Designated Heritage Building that contribute to enhance the cultural heritage values of the Registered Heritage Building or the Designated Heritage Building and may include few cadastral private plots, cultural elements and natural features such as land, cliff, forest, gorges, river, lake, rock, cave, tree and other geological formations (DoCDD, 2023).

### Macro Zone 7: Urban

The Local Government Act of Bhutan 2014 designates urban areas as Dzongkhag and Dzongkhag Yenlag Thromde. However, urban zones within the context of this edition are defined based on approved boundaries, which initially originated from the 2010 limits but have been expanded or adjusted over time. The boundaries are determined by the Department of Human Settlements (DHS), considering relevant factors such as urban growth, adoption of new planning boundaries, and conversion of rural land to urban precincts. These boundaries are not limited to a specific year but encompass various versions implemented on the ground. Under NLUZ, all micro zones and land uses within the urban zones are classified as urban, regardless of their development status. The management of micro zones is facilitated through a structural plan developed and implemented by the DHS. These areas, no longer included in the rural land database maintained by NLCS, undergo land pooling or reconfiguration to ensure planned and guided development. It is important to note that while some urban areas may not be fully developed, their land is maintained in an urban registry to accommodate future growth and development. The hybrid approach to urban zones in NLUZ considers multiple boundary versions and relies on the implementation of a structural plan to guide land use and promote sustainable urban development.

### Macro Zone 8: Rangeland

Rangelands in Bhutan are synonymous with the term “Tsamdro”, which basically means grazing land for livestock and wild ungulates (DoL, 2017). As per Land Act 2007, “Tsamdro” means the Government Reserved Forests land leased out (TUT) for grazing and improved pasture management as land use on the ground. The rangelands in Bhutan extend from subtropical zones in the south to the alpine zones in the northern parts of the country. The subtropical and temperate rangelands are found at elevations ranging from 150 to 3600 metres asl and the alpine meadows are found at an elevation range of 3600 – 5000 metres asl. However, in future editions, Rangeland shall subsume alpine shrubs, meadows, moraines, shrubs, snow and glaciers as well for inclusive land use and land cover management purposes, in concurrence with the Royal Command conveyed on 19th October 2017 towards achieving the four broad objectives of EPIC (Environmental conservation; Preserving & promoting culture; Integrity of territorial security and independence; and Conserving environment).

There are about 20 multi-sectoral agencies who are directly or indirectly involved in some activities in the rangelands, mostly in a piece-meal uncoordinated manner and in silos. These activities include, for NLCS to carry out Tsamdro survey and mapping; DoL’s program support to herders and livestock; DoFPS’s administration and management of forests flora and fauna; NBC’s biodiversity initiatives; DAMC’s support to the Bhutan Yak Federation and Yak Cooperatives; DoW and NCHM initiatives in managing wetlands and cryospheres; DoT’s eco-tourism initiatives; RBA’s border surveillance; DoE’s electrification/energy supports; and other allied agencies in diverse extant and nature of supports. While the uncoordinated initiatives by different agencies are done with the best of intentions, they do not help weave an overall fabric that is sustainable and beneficial to the country in the long run.

In the meantime, the number of yak herders are in decline, young highlanders migrate to urban areas, grazing grounds are getting depleted and there are no signs of progressive improvement in the livelihood of the highlanders. For example, of the about 12,000 highland households in the 11 highland Dzongkhags, only 1,053 households own and herd yaks. Therefore, there is a compelling need for all the players to collaborate and co-create values through a well-coordinated effort. This recognition of Rangelands as a major land use is an attempt to bring all stakeholders onboard, towards harnessing the hidden potentials of Rangelands and Tsamdros for the larger national interests.

### Macro Zone 9: Strategic Development

Areas identified for the strategic national priorities, aligned towards realizing the vision of developed Bhutan and onwards (TWG, NLUZ, 2023).

**MICRO ZONE 9.1. SPECIAL ECONOMIC ZONES:** Means demarcated geographic areas contained within a country’s national boundaries where the rules of businesses are different from those that prevail in the national territory. In practice, SEZs may have more specific objectives, such as attracting foreign investment, targeting specific sectors, promoting exports, products, or “cross-cutting” activities such as research and development (‘Land Tenure and Development’ Technical Committee, 2022).

**MICRO ZONE 9.2. PROSPECTIVE INDUSTRIES:** Means sectors or areas of production, manufacturing and service industries in nature that are expected to experience significant growth, development, or expansion in the future from a strategic stance (TWG, 2023).

**NANO ZONE 9.2.1. PROPOSED INDUSTRIAL PARK:** These are the potential sites to promote industries in future as and when needed. These sites are identified in consensus with a multi-sectoral team composed of relevant departments/agencies (DoI, 2023).

**NANO ZONE 9.2.2. PROSPECTIVE MINERAL ZONE:** Prospective Mineral Zone refers to an area that has been identified as having the potential to contain economically viable mineral deposits (DGM, 2023).

**NANO ZONE 9.2.3. POTENTIAL SITES FOR STOL (SHORT TAKE-OFF AND LANDING) AIRPORT DEVELOPMENT:** The prospective airstrips present in the document are the locations which have the potential to become airstrips based on a study undertaken by BCAA, NLCS & DoAT. The study is very preliminary in nature and is based on desktop analysis using Google Earth and CartoSat DEM. Land selection criteria based on land gradient and flight funnel obstructions were carried out and subsequent analysis led to the recommendation of these potential sites with varying degrees of advantages and disadvantages (DoAT, 2023).

**NANO ZONE 9.2.4. PROSPECTIVE ENERGY PLANS:** According to the Power System Management Plan 2040 report, prospective energy plan means the overall hydropower potential including the techno-economic potential of the country considering the availability of the detailed hydrological information & data based on the newly established hydrological network and advanced planning technologies (DoE, 2019).

**MICRO ZONE 9.3. ALIENABLE LAND:** Tentative developable state land identified and mapped considering slope, proximity to water source, distance from urban centers, land use land cover, nature protection, hazard and approved settlement plans. These alienable lands shall constitute the land identified by the rehabilitation program, local government and pilot conducted in Samtse Dzongkhag using the MCDA approach (TWG, 2023).

**NANO ZONE 9.3.1. ALIENABLE LARGE-SCALE FARMING:** Refers to an alienable state land with 10 acres and above located within an altitude of 2000 msl and slope of within 30 degrees feasible for large-scale commercial agriculture farming (DoA, 2023).

**MICRO ZONE 9.4. AESTHETIC STRATEGIC AREA:** For the purpose of security, aesthetic and conservation point of view, certain areas are maintained either in the form of buffer or key land uses (TWG, 2023).

**NANO ZONE 9.4.1. GYALSUNG VISIBILITY AREA:** As per the instruction of Gyalsung Academy, all the state land, especially the peaks surrounding and overlooking the Bongdema Gyalsung site, is to be put under a green zone where the construction won’t be allowed (NS/Tareythang/Gen-01/744 dated 18th October, 2021).

**MICRO ZONE 9.5. HUMAN SETTLEMENT PLANS:** Refers to a comprehensive and strategic blueprint that outlines the systematic development and management of urban and rural areas within the country. It is a well-structured document prepared by the Department of Human Settlement under the Ministry of Infrastructure and Transport, aiming to guide and regulate the growth and transformation of towns, villages, and urban regions in a sustainable manner. The human settlement plan includes National Spatial Plan, Regional Spatial Plan and Local Spatial Plan such as Valley Development Plan, Structure Plan, Local Area Plan and Action Area Plan (TWG, 2023).

**NANO ZONE 9.5.1. PROSPECTIVE TOWNS & URBAN AREA:** Refers to the towns and urban regions identified by the Department of Human Settlement, where any human settlement plans such as structural plan, valley development plan, local area plan, etc., have not been implemented on the ground, both in the core and periphery areas. Additionally, these areas still have their cadastral database managed under the rural land database maintained by NLCS (TWG, 2023).

**NANO ZONE 9.5.2. NATIONAL CAPITAL REGION:** Towards sustainable development and expansion of national capital territory concerning its carrying capacity over the time, the National Capital Region (NCR) plan has been initiated with hosts of designated activities that would offload especially to peripheral and crossover towards Paro and across. Activities underscore, viz. industries, auto city, wholesale market and storage, military based and police, satellite towns/villages, olympic city and of similar scopes (DHS and TWG, 2023).

**NANO ZONE 9.5.3. LINKED URBAN CENTRES (LUC):** The LUC is a concept in which a combination of two towns creates a centre for social services, markets and economic activities in a region (The Project for Formulation of Comprehensive Development Plan for Bhutan 2030 Volume I, 2019).

**NANO ZONE 9.5.4. THIMPHU-PARO REGIONAL STRATEGY:** This refers to the Regional Spatial Strategy for the Thimphu Paro Region - part of the National Capital City Region - which extends from the North Wang Chhu River/Kabesa Valley, to the Upper Paro and Dophshari Valleys. The Strategy established a sustainable Basis for Planning as a range of population and employment figures which constitute the estimated limit of sustainable growth in the region/ It also establishes a regional spatial framework which outlines the possible spatial distribution of the Basis for Planning, following the principles of ‘good growth in the right places’ (Thimphu Paro Regional Strategy, 2023).

The synopsis of zone categories that have been established through the NLUZ exercise and its basic visualization is as shown in Figure 7.

## Land Use Land Cover (LULC)

The most recent LULC mapping (2020) carried out by NLCS is considered a key attribute in the NLUZ to ensure the actual land cover on the ground considering the major land cover classes. A total of 13 major land cover classes were adopted based on the Land Use Land Cover 2016 for consistency and proper assessment of the land cover changes over the period of time. Bhutan’s first LULC was mapped in 1997 using Spot imagerys and aerial photographs through a land use planning project. Second and third were carried out in 2010 and 2016 respectively using ALOS and Landsat imagerys (30m) spatial resolution by the Department of Forests and Park Services (DoFPS), under the Ministry of Energy and Natural Resources, then the Ministry of Agriculture and Forest.

The 13 land classes from LULC are used in the NLUZ with the following technical definitions to support parameterization and comprehend classes clearly:

- FORESTS:** Land with trees spanning more than 0.5 hectares with trees higher than 5 meters and a canopy cover of more than 10%. It does not include land that is predominantly under agricultural or urban land use (National Forest Policy of Bhutan, 2011).
- ALPINE SCRUB:** Is a woody plant characterized by stunted growth (height less than 5 meters) due to harsh conditions. They are found at higher elevation above 3500- meters above sea level close to tree line.
- SHRUBS:** Perennial plants with persistent and woody stems without any defined main stem with height less than 5 meters. It also includes abandoned agricultural fields with overgrown bushes and other regeneration in disturbed areas.
- MEADOWS:** Include any areas dominated by grasses or any herbaceous plant without or with few scattered trees or shrubs on it. It occurs at all elevations but is relatively more common at higher elevations.
- AGRICULTURE LAND:** Includes only cultivated land at the time of land cover assessment. The sub-classes such as Chhuzhing, Kamzhing, and Orchard land type categories are merged in the class.
- BUILT UP AREAS:** Include artificial constructions covering the land with an impervious (e.g., concrete, CGI sheet, thatch) surface. It includes airports, rural settlements, urban areas, schools & institutes, industrial areas, hospital premises, sewage treatment plant, sports and leisure facilities and roads.

## Agricultural Land

Kamzhing	
Protected Chhuzing	
Regulated Chhuzing	
Lease Land	

## Rural Settlement

Residential Land	
Institutional Land	

## Sustainable Forest Management Area

Forest Management Unit	
Community Forest	

## Nature Conservation Area

Protected Area	
Core Zone	
Transition Zone	
Buffer Zone	
Multi Use Zone	
Biological Corridor / Botanical Park	

Other Effective Area-based Conservation Measures	
Key Biodiversity Area	
High Conservation Value	

Significant Watershed	
Critical Watershed	
Potential Recharge Area	
Payment for Ecosystem Services	
Water Sources	

Wetland	
Ramsar Site	
Wetland of National Importance	

## Industrial

Manufacturing and Production	
Service	
Existing mines	

Added data	
Airport	
Helipad	
Hydro Power Plants	
Hydro Power Waterways	

Figure 7: NLUZ Data Visualization Chart

- NON-BUILT-UP AREAS:** This class is defined by an absence of the original (semi-) natural cover mainly due to anthropogenic factors. It includes waste dump sites, mines, stone quarries, and other extraction sites.
- WATER BODIES:** This class includes both natural and artificially created water bodies (including rivers and lakes).
- Snow and Glaciers:** This class includes both perpetual and seasonal snow cover and glaciers.
- MORAINES:** Refers to a mass of rocks and sediments carried down and deposited by a glacier typically as ridges at its edges or extremity.
- LANDSLIDE:** This class includes mass movement of soil debris due to gravitational force triggered by other factors such as rainfall and earthquakes.
- ROCKY OUTCROPS:** Refer to natural cliffs and rocky areas.
- SANDY BANK:** This class refers to the sandy area that was deposited along the riverbanks. In summer this class may be covered under the river. However, during the winter season, it gets dried up and deposited as a sandy bank along the river.

## Demography Component

As a point-data to form an integral part of a NLUZ, some components of demography are used, such as population composition, household, population density and mean household size. This is taken as the basis for the population density and per capita land use in both aggregated and disaggregated land uses.

## Right of Way/ Buffer

- Heritage: Heritage Buffer zone is defined as the area surrounding the conservation zone of the Designated Heritage Building or the Important Cultural Site for effective protection of a Designated Heritage Building or Important Cultural Site (DoCDD, 2023).
- Road: Construction of temporary, semi-permanent and permanent structures shall not be permitted within the road right of way and road control area except for the purposes of road construction and maintenance. The road right of way shall be 100 feet wide for national highways, district roads and feeder roads except within the designated municipal boundary. The horizontal distance between the edge of the carriageway and the boundary of the road right of way shall be 50 feet on both sides (The Road Act Of The Kingdom Of Bhutan, 2004).





III. Powerlines: means conductors, poles/pylons/towers, and transformers and associated equipment used to transmit, transform, and distribute electrical power to the end user at a voltage of 11 Kilo-Volt and above (RoW Guidelines for Power Lines, 2023 - Draft). RoW is defined as "strips of land used by the electric utilities for the safe and reliable transmission of electricity" (Nowak, et al., 1992, p.828). It is the corridor, in which the transmission company owns its right to use the land for operation and maintenance of transmission facilities for all categories of land ownership, whether state or privately owned. The transmission company owns the right to access within the width of the RoW corridor for maintenance of the facilities without acquiring the land except for land occupied by the tower base but imposes restrictions to the landowners, who hold the land ownership. The Right of Way (RoW) for the powerlines to set a buffer for land use in NLUZ is considered based on the voltage level as below:

Powerlines		
SI No	Voltage Level (kv)	RoW Width (meter)
1	400 (S/C)	52
2	400 (D/C)	46
3	220	35
4	132	27
5	66	18

The RoW requirements specified in the above table are the maximum values of the total to be maintained considering both sides of the line. However, these may vary depending on the site conditions, land type/use, urban/rural settings, etc. as determined by the licensee.

- IV. Flight Funnel: The flight funnel is derived from the obstacle control requirement by the ICAO & BCAA regulations to keep the take off & approach area/surface free from obstacles (DoAT, 2023).
- V. Hazard and Risk: There are different kinds of hazard and risk maps that can be incorporated in the NLUZ. Some of the common hazard maps include earthquake, flood, seismic, landslide, forest fire and GLOF hazard maps etc. In the current phase of NLUZ, critical risk mapping of rivers based on the hazard maps carried out by erstwhile MoWHS is included for the NLUZ. There are three levels of risks identified along the rivers to determine rain-induced flood. However, the data covers only major/ critical settlements for this edition. The Glacier Lake Outburst Flood (GLOF) hazard map is also used.

### Fundamental Geo-spatial Layers

To describe the way in which a geographic area is utilized for a particular purpose other than macro land uses, it is classified as thematic land uses. It is used to identify and map areas of land that are used for specific activities and purposes.

**RIVER & WATER BODIES:** The water flowing on land surface, typically of 13 river types as per global classification. However, in the Bhutan context, these shall be classified into four grades as per prevailing topographic map classification. This includes water sources, glaciers, lakes, snow as grade 1; streams originating from the source as grade 2; tributaries from streams as grade 3; and rivers as grade 4. For the purposes of NLUZ, water bodies grades 1 and 2 shall consider a buffer of 15 meters and grade 3 and 4 shall have a buffer of 30 meters. The land allotment within 30 meters of the bank or edge of any river and 15 meters of stream or water source is not considered. However, in cases where the proposed applied land is adjacent/surrounded by existing private registered land, such cases shall be reviewed by the Department" (Forest & Nature Conservation Rules & Regulations, 2017).

**ROAD NETWORK:** A road network shall mean all types of roads to which the public has access including National Highways, Dzongkhag Roads, Farm Roads, Thromde Roads and Access Roads (Road Act of Bhutan, 2013).

**POWERLINES:** Powerlines means conductors, poles/pylon/towers, and transformers and associated equipment used to transmit, transform, and distribute electrical power to the end user at a voltage of 11 KiloVolt and above (RoW Guidelines for Power Lines, 2023 - Draft).

**CADASTRAL AND THRAM DATABASE:** A cadastral and Thram database contains information such as land ownership, boundaries, and other relevant spatial and attribute data of a land parcel (Land Act, 2007).

**ADMIN BOUNDARY:** An admin/administrative boundary refers to a defined and demarcated line that separates territorial divisions or administrative jurisdictions such as Dzongkhags, Gewogs, etc.

**CONTOUR (1:50K & 1:25K):** Contour refers to lines that represent the topography of a land. These contours have been used in the scale of 1:50K and 1:25K in the zoning map respectively.

**BHUTAN GLACIAL LAKE INVENTORY:** It is a comprehensive survey and database that identifies and assesses glacial lakes in the country. It documents the location, size and other characteristics of glacial lakes which provides information on monitoring and managing the risks associated with Glacial Lake Outburst Flood (Bhutan Glacial Lake Inventory, 2021; NCHM, 2021).

**BHUTAN GLACIAL INVENTORY:** It is also a comprehensive survey and database that catalogues and documents the glaciers within the country. The inventory was updated using the latest Sentinel-2 MSI (Multispectral instrument) of the European Space Agency. It provides information on the location, size, and other characteristics of the glaciers in the country, contributing to research, monitoring, and understanding of glacial dynamics and their potential impacts on water resources and the environment (Bhutan Glacial Inventory 2018; NCHM, 2019).

**GEOGRAPHICAL NAMES:** It is a name assigned to a location on the Earth's surface, irrespective of the existence or absence of administrative boundaries. It includes names of countries, regions, administrative divisions, populated places, physical features, and other similar entities (United Nations Conference on the Standardization of Geographical Names (UNCSGN, 1967).

**HERITAGE SITES (NYE ATLAS):** It refers to the geospatial location (coordinates) of the heritage sites documented in the NyeAtlas.

**INSTITUTIONS:** It is the geospatial location (coordinates) of the institutions of Bhutan.

**ADMIN POINTS (GEWOGS):** It is the geospatial location (coordinates) of the Gewog office of Bhutan.

**BUILDING FOOTPRINTS:** Refers to the areas of a building measured from the outer surface of the exterior of the building multiplied by the depth measured in the same manner to give a square area.

**DEM:** A Digital Elevation Model (DEM) is a digital representation of the Earth's surface that captures the elevation data of the terrain. It consists of a grid of regularly spaced elevation values, allowing for analysis and visualization of topographic features.

**SATELLITE IMAGERY (GOOGLE, OSM & BING):** Satellite imagery refers to the visual representation of the Earth's surface captured by satellites orbiting the planet that provide access to satellite imagery, allowing users to view and explore high-resolution images of various locations around the world.

### STEP 4: GEO-PROCESSING AND MAP ANALYSIS

A database to store and manage all the valuable information collected from various stakeholders was established. This database served as a central repository, housing the extensive range of data that were gathered, including inputs from the stakeholders involved. The diligent organization and structuring of this database ensured efficient data management and accessibility throughout the analysis process. This allowed seamless integration of the gathered information into the map analysis, enabling a holistic examination of the zones and buffer areas.

In conducting a comprehensive map analysis, the available data of the macro zones defined initially, including buffer data (right of way) was utilized. The usage of GIS software such as QGIS, ArcGIS Desktop, and ArcGIS Pro allowed meticulous calculation of the overlapping areas across all platforms and ensured the accuracy and integrity of the analysis. Furthermore, conflict matrices, both among the eight macro zones and between the macro zones versus the buffer zones, were also developed.

### STEP 5: MAP DESIGN

In the map design process, we undertook a comprehensive approach to ensure the creation of informative and visually appealing maps considering the following key steps:

- Understanding Objectives: We thoroughly understood the specific objectives and requirements of NLUZ to tailor the maps accordingly.
- Analyzing User Needs: By considering the stakeholders and their expertise levels, we ensured that the maps were user-friendly and accessible.
- Data Analysis and Organization: We carefully analyzed relevant spatial data, organizing it effectively for clear visualization.
- Applying Cartographic Principles: We adhered to established cartographic principles, ensuring clarity, accuracy, and consistency in the map design.
- Iterative Discussions and Refinements: Engaging in iterative discussions, we actively sought feedback to improve the map designs.
- Color, Symbol, and Layout: Thoughtful consideration was given to color and symbol selection, employing distinctive schemes for differentiation. Map layouts were designed for various scales and paper sizes, ensuring clarity and easy comprehension.
- Approval and Finalization: The map designs underwent rigorous reviews, incorporating necessary changes before final consent.

By following this approach, we have successfully produced maps that play a vital role in NLUZ, providing essential information for the land use planning and decision-making purposes. The infographics as shown in Figure 8.1 and 8.2 are the key aspects of the map design process, intended to enhance the overall effectiveness and communication of NLUZ visualization.

### STEP 6: ZONED OUTPUTS

The final map output of the NLUZ would be in two categories as follows:

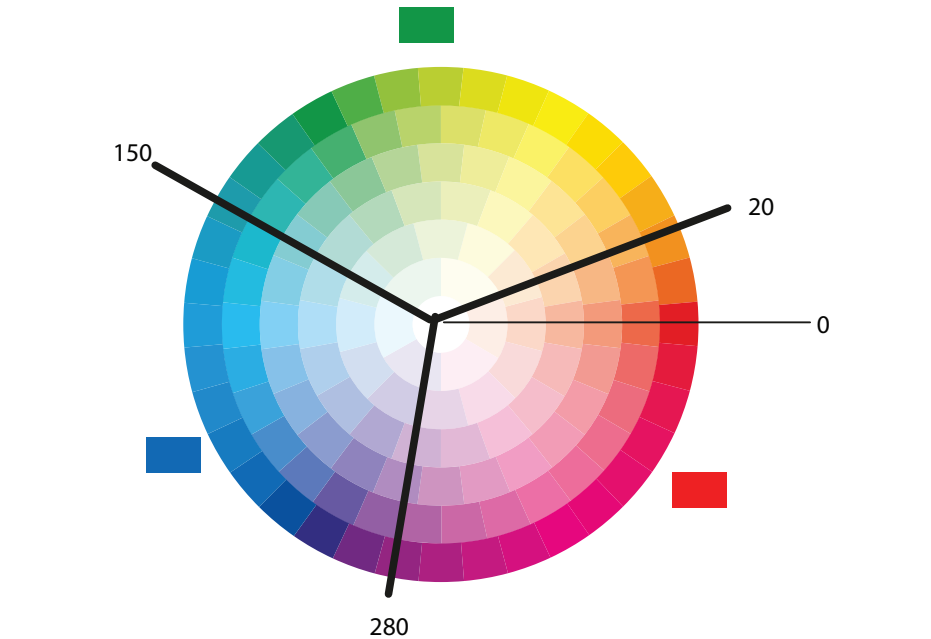
- Scale-Based Map

In this category, the map output will be generated according to the scale specified by the user for a specific Area of Interest (AoI) and the desired paper size for the output map. The table below will provide more details:

Map output for country coverage				
Scale / Paper size	A0	A2	A3	A4
300k	1 Sheet	4 Sheets	9 Sheets	16 Sheets
50k		93 Sheets	186 Sheets	576 Sheets
25k		370 Sheets	523 Sheets	2320 Sheets
5k		9320 Sheets	13185 Sheets	37280 Sheets

Table 3: Scale-based maps for the whole country without marginal informations

The scale determines the level of detail on the map, with larger scales providing more detailed representations of smaller areas. The AoI can range from a city or town to an entire country, depending on the chosen scale. The paper size options include A4, A3, A2, A1, and A0, with larger sizes accommodating maps with more detailed information.



#### water related



- Potential Recharge Area
- Payment for Ecosystem Services
  - Water Sources
- Ramsar Sites
- Hydro Power plants
- Hydro Power waterways
- Glacier Lake Outburst Flood
- Rain Induced Flood
- Hydropower Prospected dam
- Hydropower Prospected Powerplant
- Hydropower Prospected Waterway
- Hydropower Prospected Reservoir

Figure 8.2 : Map Design (ii) Symbol Design

- Area-Based Map

This category includes two subcategories, viz. Dzongkhag Map and Gewog Map, wherein Dzongkhag Map focuses on a specific Dzongkhag, which is a district-level administrative confines. The map will provide detailed Dzongkhag level zone information and land use conflict about the selected Dzongkhag; and Gewog Map is a sub-district within a Dzongkhag, which will zoom in further to grassroot level and provide a detail representation of a specific Gewog with some demographic information, including its zones and land use conflict.

The area-based maps aim to provide detailed information about specific administrative confines of the country, catering to the user's needs for analysis, planning and references. This would be first of its kind in the geospatial initiatives of the country that would bring out and provide spatial references and platform at the grassroot Local Government (LG) level to facilitate their decision making processes.

## ANALYSIS AND FINDINGS

As per the registry or Thram database, there are over 23 conventional land types which appear to have been recorded for administrative purposes. But most of them on the ground do not have land uses pursuant to the registration. The land types as per the database and its uses on the ground discrepancy misleads the land's functional aspect. The seamless match of registration and uses have numerous benefits including critical policy and planning decision-making processes. For instance, the match of registration and uses would foster rationalized land taxation, valuation and facilitate efficient conveyances. It would also discourage or curb unrealistic speculations, and support spatial and empirical-based land use planning. Based on these underpinnings, the exercise attempts to determine the actual land uses on the ground considering the current contexts and dynamics

The exercise decides to retain only eight land uses on the ground from the total of 23 land types as per the registry including the Strategic Development Zone (SDZ) as another land use type. Therefore, the exercise determines a total of nine macro, 23 micro and 23 nano land uses. The nine macro land uses are, Agricultural Land, Cultural Heritage, Industrial, Nature Conservation Area (NCA), Rangeland, Rural Settlement, Sustainable Forest Management Area (SMFA), Urban and Strategic Development Zones (SDZ). These macro land uses are classified under the thematic layers of the zoning, within which, there are other thematic layers, viz. Right of Way (RoW), Hazard and Risk maps, Land Use Land Cover (LULC) 2020 and Flight Funnel zones.

To ensure comprehensive determination of land use conflicts, about 16 fundamental geospatial layers were also considered for this edition. The layers are; river and water bodies, cadastral and Thram database, administrative boundary, contour, Bhutan glacial inventory, Bhutan glacial lake

#### nature related



#### forest



- Core Zone
- Transistion Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor
- Key Biodiversity Area
- Forest Management Unit
- Community Forest

#### agriculture



- Kamzhing
- Protected Chhuzing
- Regulated Chhuzing
- Lease Land
- Tsamdro

#### human development



#### settlements



- Residential Land
- Institutional Land
- Urban Zone

#### industry



- Manufacturing and Production
- Service
- Existing mines

#### culture and heritage



- Heritage Conservation Zone
- Religious Sites
- Heritage Village

inventory, geographic names, heritage points (Nye Atlas), institution points, administrative points, powerlines, road network, hydropower plants, building footprints, DEM and satellite imagery.

The exercise also inventoried about eight prospective land uses within the Strategic Development Zone (SDZ) category such as Special Economic Zones, Prospective Industrial Zones, Prospective Mineral Zones, Potential Sites for STOL (short take-off and landing) Airport Development, Prospective Energy Plans, Alienable Land, Aesthetic Strategic Area, and Human Settlement Plans. However, these are not used for determining land use conflicts with eight other macro land uses and RoWs/buffers for now in this report.

### MACRO ZONES BY LAND USES

The eight macro land uses, excluding SDZ constitute about 6,210,176,574 acres (65.46%) of the country's total geographical area, and from the overall land uses, NCA constitutes 79.18% of the land uses, followed by SFMA with 11.63% and agricultural land with 6.59 % as illustrated in Figure 9. The rest of the land uses constitute only between 0.50% to 1.50%. This indicates Bhutan's land uses are conservation and agrarian predominance.

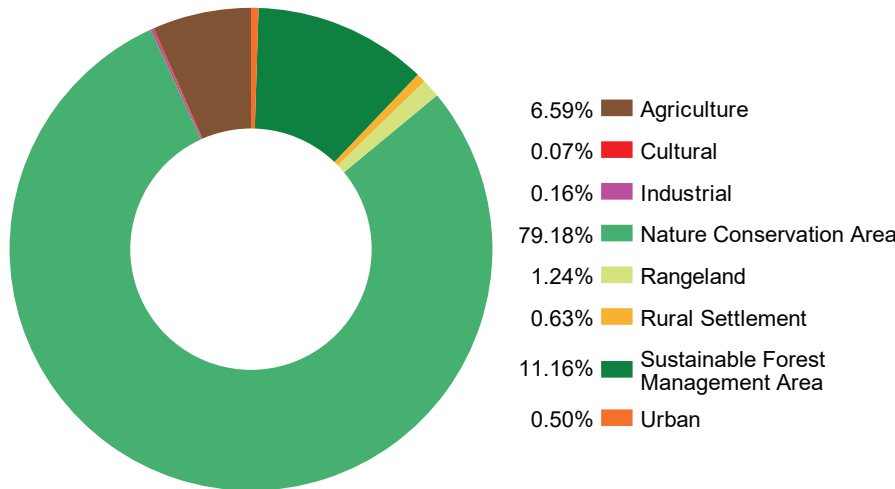


Figure 9. Macro Zones by Land Use Share.

Similarly, from the overall country area, the nature conservation area (NCA) inclusive of sustainable forest management area (SFMA) constitutes 60.85%, followed by agriculture with 4.41%, industrial (manufacturing/ production and services) with 0.11%, human settlements (rural and urban) with 0.76% and others (culture and rangeland) with 0.88% as highlighted in Table 4.





An inconsistent and multiple land use data exists in absence of a common platform or single source of truth. This exercise attempts to resolve data unreliability and inconsistencies by establishing one reliable data repository platform for seamless dissemination of geospatial data within and across agencies in the country. For instance, FAO and World Bank reports 13.45% against 4.41% agricultural land coverage discovered by this NLUZ exercise. This is further corroborated by agricultural land zoning which has land use share of 6.59% as indicated in Table 4 and Figure 9. The calculation has not discounted the prevailing 66,120 acres of fallow land in the country.

Area and percentage of key land uses in the country				
SI	Area Under Key Land Uses (Other than SDZ)	Area in Acres	Percentage By County Area	Percentage By Macro Zonation
1	TOTAL Country area	9,487,364.000	100.00	65.46
2	TOTAL macro land use zones	6,210,176.574	65.46	100.00
3	Nature Conservation Area (NCA)	5,032,772.230	53.05	81.04
4	Sustainable Forest Management Area (SFMA)	739,432.446	7.79	11.91
5	NCA & SFMA	5692741.484	60.00	91.67
6	Agricultural	418,561.253	4.41	6.74
7	Industry (Manufacturing/Production & Service)	10,260.717	0.11	0.17
8	Human Settlement (Rural and Urban)	71,719.156	0.76	1.15
9	Other Macro Zones (Culture & Rangeland)	83,428.884	0.88	1.34

Table 4: Area and Percentage of key land uses in the Country

The exercise has also delineated the entire Unzoned Areas (UA) which excludes macro zones and buffers, but includes the Strategic Development Zones (SDZ) areas. However, the topographical limitations are not considered in determining the actual areas of Unzoned Areas for now. There were about 3,360,113.938 acres, constituting 35.07% of the total country area under Unzoned Areas (UA). At this point in time, these Unzoned Areas (UA) may remain as potential for future uses and expropriations through scientific ways to confirm the alienability for right uses. To uncover these area of Unzoned Areas (UA), following geospatial analysis and steps were considered:

- i. From LULC 2020, selected the snow and glaciers, moraines, rocky outcrop, water bodies, landslides and sandy banks leaving behind agriculture, shrubs, alpine scrubs, forests, meadows, built-up and non-built-up areas;
- ii. Merged final buffer areas consisting of Right of Way for transmission lines and roads, flood hazard prone area map, heritage buffer zones and flight funnel;
- iii. An overall 8 macro zoned areas excluding SDZ were merged;
- iv. Merged all the three land uses, viz. selected areas from LULC 2020, merged buffer and macro zone areas; and
- v. Subtracting the sLIV defined above from the overall country area gives the Unzoned Areas (UA) of about 3,361,506.088 acres which can be explored for the possible use and various expropriations in times to come.

## POPULATION DENSITY AND PER CAPITA LAND USE

Population density (Dp) is the number of people per unit of area, usually transcribed as ‘per square kilometer’ or square mile, and which may include or exclude, such as, areas of water, glaciers, moraines, rocky outcrops and other irrelevant land covers. Generally, this is calculated for a designated geographic area, county, city, country, territory or the entire world. However, in this report, units used are ‘per square acre’ and calculated based on two categories, viz. i) settlement

Projected population density (Dp) and per capita land use								
Year	Projected Population	Dp per acre <sup>2</sup>		Per Capita Land Use (acre)				
		Settlement Based Dp	Country Based Dp	Conservation (NCA+SFMA)	Agricultural	Settlement (Rural & Urban)	Industrial	Total Macro Land Uses
2022	763,249	10.877	0.080	7.459	0.548	0.092	0.013	8.137
2023	770,276	10.977	0.081	7.391	0.543	0.091	0.013	8.062
2024	777,224	11.076	0.082	7.324	0.539	0.090	0.013	7.990
2025	784,043	11.173	0.083	7.261	0.534	0.090	0.013	7.921
2026	790,718	11.268	0.083	7.199	0.529	0.089	0.013	7.199
2027	797,264	11.361	0.084	7.140	0.525	0.088	0.013	7.789
2028	803,626	11.452	0.085	7.084	0.521	0.087	0.013	7.728
2029	809,785	11.540	0.085	7.030	0.517	0.087	0.013	7.669
2030	815,755	11.625	0.086	6.978	0.513	0.086	0.013	7.613
2031	821,485	11.707	0.087	6.930	0.510	0.085	0.012	7.560
2032	826,957	11.785	0.087	6.884	0.506	0.085	0.012	7.510
2033	832,218	11.860	0.088	6.840	0.503	0.084	0.012	7.462
2034	837,288	11.932	0.088	6.799	0.500	0.084	0.012	7.417
Average	802,299	11.433	0.085	7.102	0.522	0.088	0.013	7.697

Table 5: Projected population density (Dp) and per capita land use

based Dp which is a combination of rural and urban settlements; and ii) country based Dp as aggregated national level indicated in Table 5.

The per capita land use has been calculated in five categories, viz. i) conservation land use (combination of NCA and SFMA); ii) agricultural land use (not discounting 66,120 acres of fallow land); iii) Settlement land use (combination of rural and urban); iv) Industrial land use; v) total macro land uses. To account average per household (hhs) land use, a consolidated number of households at the country level as per PHCB, 2017 is used and cross checked with mean household size of 3.9.

As enlisted in Table 5, land use Dp against both settlement and country based, and per capita land use in five categories are calculated corresponding to projected population for the next 10 years, intending to align with the country’s 10 years development strategy ‘Developed Bhutan 2034’.

On an average, settlement based Dp (rural and urban area based) stands at 11.433 people per acre and country based (aggregated) at 0.085 people per acre, which is also equivalent to 19.88 people per kilometer<sup>2</sup>. The per capita land use in conservation comes to 7.102 acres, agriculture 0.522 acres, settlement 0.88 acres, industrial 0.013 acres, and total macro land uses 7.697 acres. In the case of per household land use share, it falls between 30-38 acres based on consolidated national household figures and mean household size (3.9).

By any standard, given the geographical situation, Bhutan has one of the lowest per capita land holding in terms of land use point of view. The aggregate Dp comparison for the year 2020, Bhutan stands at 19.88 per person per kilometer<sup>2</sup>, which is closer to the OECD and high income countries, especially Scandinavian countries. However, given the lower middle income position, it is irrelevant to compare Bhutan with such a high income country. Bhutan must at least attain 125 people per kilometer<sup>2</sup> or 5.345 people per acre by its income position. The reality is that the country’s Dp still stands at 0.085 people per acre only, with a difference of 193.74%.

Similarly, to highlight some of the global scenarios on the land based resources available in per capita, in 2019, the global per capita value of agricultural land (0.6 hectares per person - 1.483 acres) marked large differences between the regions. With nearly 22.240 acres, Oceania had a value per capita nearly ten times larger than other regions. In 2019, Northern America had 3.213 acres per capita, followed by Latin America and Africa with similar values (2.719 and 2.224 acres per person each). Europe and Asia are 1.483 and 0.990 acres per capita respectively. Over 1990–2019, all the regions showed a reduction in the per capita value. Oceania and Africa both recorded a 50 percent decline since 1990. They were followed by Latin America and Europe, where the values of agricultural land per capita decreased by 35%. In Northern America, the value in 2019 was almost 30% smaller than in 1990. In Asia, where regional values and trends were largely driven by China, the per capita value declined by 14% since 1990 (FAO, 2022).

Furthermore, the average farm size was 3.213 acres in low income countries, 42.001 acres in lower middle-income countries, 58.812 acres in upper middle-income countries (excluding China) and 132.696 acres in high-income countries. In this regard, Bhutan falls far under the low income category in terms of per capita land holding in agriculture or any category of land uses apart from conservation and total macro land uses as indicated in Table 5. It is even 144.10% lower than low income countries.

Considering Bhutan’s geographical limitations and allied challenges, it may be more pragmatic to address the landholdings or smallholdings issues through land optimization schemes for farming or any form of land use management and planning. With challenges faced from its limited arable land, like in Singapore, optimization would be the last resort for Bhutan. The “Limited Land, Unlimited Space” is how it is looked into in Singapore.

## LAND USE CONFLICT ASSESSMENT

Generally, the competing sectoral interests within the prevailing system of decision-making process under the same political, economic and social context remains fundamental for any extent of perceived/actual land use conflict. However, there are cases, due to undue eminent domain prevailed often in some sectors resulting in land use conflicts. Nonetheless, land use conflicts at the national level are not necessarily in themselves a negative phenomenon. They can be an essential component of change and development at that reference point in time. However, conflict becomes problematic

when mechanisms for managing and resolving them break down and give way to discord in land uses at sectoral and national levels. Uncoordinated institutional framework and tenuous systems in spatial governance can be drawn into cycles of land use conflict and issues. At the outset, to have better insight and to discern what exactly the land use conflicts means, few of the conflict cases/instances are highlighted in the following frame, uncovered during the due course of the NLUZ exercises.

### INSTANCES OF LAND USE CONFLICTS

**CASE 1 (NCA Vs. AGRICULTURAL LAND):** Bayling Central School in Trashiyangtse is constructed entirely on the prime/protected Chhuzhing, as well as disturbed the portion of roosting ground for endangered species (black-necked cranes).

**CASE 2 (URBAN Vs. NCA):** Urban boundary demarcation conjoining/crisscrossing the biological corridor in Nganglam. There hasn’t been any cross-sectoral engagement or negotiations so far.

**CASE 3 (INDUSTRIAL Vs. SETTLEMENT):** Pasakha school within the industrial estate has been relocated due to emission standards and health hazards. There were numerous social issues/inconveniences associated with the relocation besides costing huge for the state.

**CASE 4 (AGRICULTURAL LAND Vs. URBAN):** Bajo and Babisa urbanization is entirely on the prime/protected chhuzhing. This has not only lost the aesthetic landscape beauty forever but a chunk of agricultural land is lost due to lack of foresight land use zonation.

**CASE 5 (SETTLEMENT Vs. NCA):** Minje Central School in Lhunthe is constructed on a critical watershed/ water source and disrupted the entire water supply for the entire lower settlements.

**CASE 6 (SETTLEMENT Vs. INDUSTRIAL):** School including a large number of residents relocated due to Gypsum mining expropriation in Pemagatshel due to improper mining prospectus with land use zoning.

**CASE 7 (SETTLEMENT Vs. BUFFER):** Ranjung VTI in Trashigang constructed within the river buffer not determining flood risk, due to which half of the VTI campus was affected by the 2004 flooding and still the institute is under hazard/risk prone area.

By and large, in this edition, land use conflict is found predominant in conservation efforts. The Nature Conservation Area (NCA) as macro zonation in land use stands highest with 42.29% conflict, followed by Sustainable Forest Management Area (SFMA) zone with 24.70% and Rangeland and Agricultural zones with 15.31% and 12.78% respectively. In terms of acreage conflicts corresponding to each individual zone is highlighted in the figure 10. Considering the total area of macro zones at 6,210,176.574 acres, the conflict area accounts to 436,560.588 acres, which is 6.87% of the total land use under macro zones. Prior to NLUZ exercises with no spatial integration and sectoral engagement, the area of conflict existed as high as 1,851,074.302 acres, which is 29.12% of total macro land uses.

The conflict matrix amongst 8 macro land use zones, excluding Special Development Zones (SDZ) in this edition is shown in Table 6, wherein each macro zone is cross-assessed with the other macro zones and area of conflict is deduced through geo-processing of attribute data against individual zones. The pair zone assessment gives the actual conflict area amongst each pair; and macro zones conflicting across other zones gives a conflict area with 6 or more macro zones. Of 8 macro zones, NCA and Agricultural Land macro zones conflict across 7 other macro zones, while Industrial, SFMA, Rural Settlement and Culture cuts across 6 macro zones in land use conflicts.

Similarly, the land use conflicts with regard to RoW/Buffer conflicting macro zones are also computed and it is found out that there are about 14,166,942 acres of land use conflicts as highlighted in Table 7. With the total buffer zones prevailing with 5 key fundamental geospatial layers accounts

Conflict Matrix by Individual Macro Land Use Zones (area in acres)								
Agriculture	418561.253							
Culture	314.200	4688.512						Total Zone Area
Industrial	115.628	0.200	10260.717					
NCA	31,100.747	562.123	292.065	5032772.23				
Rangeland	1.366	0.000	0.000	66,821.229	78740.372			
Rural Settlement	0.174	156.944	13.265	5,076.572	0.000	39810.305		
SFMA	22,386.889	405.674	595.324	79,463.192	0.000	3,392.172	739432.446	
Urban	1,890.826	738.963	523.179	1,311.249	0.000	1,546.606	1,571.707	31,908.851
Macro Zones & Conflicts	Agriculture	Culture	Industrial	NCA	Rangeland	Rural Settlement	SFMA	Urban

Table 6. Conflict Matrix by Individual Macro Land Use Zones (area in acres)

Conflict Matrix by RoW/Buffer Vs. Macro Land Use Zones (area in acres)									
Conflict Area	Agriculture	Culture	Industrial	NCA	Rangeland	Rural Settlement	SFMA	Urban	Total
Powerline_ROW	2,025.304	7.234	95.213	2,071.780	0.000	141.685	1,337.037	242.128	5,920.381
Road_ROW	1,334.337	9.341	60.046	2,703.264	0.000	305.421	2,617.724	0.000	7,030.133
Flood Hazard Zone	104.696	0.031	205.209	0.000	0.000	11.832	93.405	106.729	521.902
Flight Funnel Zone	219.241	0.287	84.950	0.000	0.000	23.663	168.499	3.159	499.799
Heritage Buffer Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	194.727	194.727
Total	3,683.578	16.893	445.418	4,775.044	0.000	482.601	4,216.665	546.743	14,166.942

Table 7. Conflict Matrix by RoW/Buffer Vs. Macro Land Use Zones (area in acres)

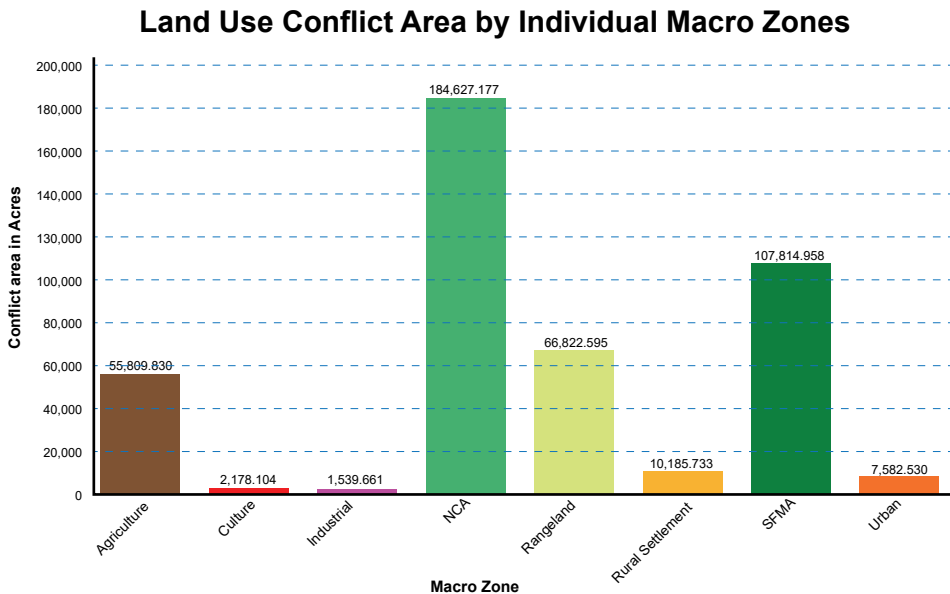


Figure 10: Land Use Conflicts in individual zones

to 33,026.962 acres, the RoW/Buffer conflit area with macro land use zones constitutes 42.63%. Amongst 5 key RoW/Buffers considered for this exercise, road RoW stands highest with 49.63% of total buffers conflicting with macro land uses, followed by powerline RoW with 41.79%.

An outright conflict determination has been highlighted in Table 6 and 7. However, in order to comprehend and deep-dive on the conflicts ranking and analysis, assessment matrix is outlined in Table 8. The TWG represented from the cross- agencies along with in-house (coordinating TWG) carried out the popular ranking based on the sectoral judgement and prevailing systems and processes in place. Prior to the comprehension, TWGs carried out exhaustive permissibility assessment against each macro and micro zones (Appendix 4). The ranking shows the prevalence of land use conflicts for top ten conflicts amongst the macro zones (SI. A) and RoW/buffer conflicting with the macro zones (SI. B).

The NCA with SFMA (in pair) ranks top most macro land use conflicts, followed by NCA with rangeland and agricultural land. In case of RoW/buffers, Road RoW leads the conflict with three macro land use zones, viz. NCA, SFMA and Urban. The powerline RoW conflicting with SFMA, Urban and NCA stands next to Road RoW with insignificant conflict margins. Flood hazard, heritage buffer and flight funeral are some of the RoW/buffers conflicting with some macro land use zones.

The conflict assessment matrix also outlines evaluation considering level and impact from the conflict and assesses existing control mechanisms in place to mitigate/ resolve the conflicts. In the event, if there are requirements to consider further actions corresponding to each conflicting land use, proposed mitigation with lead and collaborating agencies are underlined. This would at least give an outline for the next NLUZ edition to completely negotiate any form of perceived/ actual land use conflicts and come up with mitigation measures that ensures proper harmonization of land uses in the country.





Conflict Assessment Matrix									
SI	Pair Zones and Buffer Conflict Ranking	Analysis & Evaluation		Existing Control			Further Action		
		Conflict (High, Medium, Low)	Impact (High, Medium, Low)	Existing Controls Described & Evaluated	Current Effectiveness (Good, Fair, Poor)	Conflict Response (Attended, Neglected, Shared)	Proposed Mitigation/ Opportunities for Improvement	Lead Agency	Collaborators
A	PREVAILING TOP TEN MACRO LAND USE CONFLICTS								
1	NCA Vs. SFMA (79,463.192)	High	Low	FNCC 2017	Good	Negotiated	Micro zonation and management plan	DoFPS	DoW
2	NCA Vs. Rangeland (66,821.229)	High	Medium	FNCA, 1995 & FNCRR, 2017	Fair	Negotiated	Micro zonation and management plan	DoFPS	DoL & NLCS
3	Agricultural Vs. NCA (31,100.747)	High	High	Not defined	Not defined	Not defined	Defined land use integration and ordinances	DoA	DoFPS
4	Agricultural Vs. SFMA (22,386.889)	High	High	Not defined	Not defined	Not defined	Defined land use integration and ordinances	DoA	DoFPS
5	NCA Vs. Rural Settlement (5,076.572)	High	High	FNCA 1995, FNCRR 2017	Not defined	Not defined	Defined integration and ordinances	DoFPS	
6	Rural Settlement Vs. SFMA (3,392.172)	High	Medium	Not defined	Not defined	Not defined	Defined integration and ordinances	LG	DoFPS
7	Agricultural Vs. Urban (1,890.826)	Medium	Medium	Urban settlement as per 2010 & 2015 demarcation	Not defined	Not defined	Defined integration and ordinances	DoA	DHS
8	SFMA Vs. Urban (1,571.707)	Medium	Medium	Not defined	Not defined	Not defined	Defined integration and ordinances	DoFPS	DHA
9	Rural Settlement Vs. Urban (1,546.606)	Medium	Low	Urban settlement as per 2010 & 2015 demarcation	Not defined	Not defined	Defined integration and ordinances	LG	DHS
10	NCA Vs. Urban (1,311.249)	Medium	Medium	Urban settlement as per 2010 & 2015 demarcation	Poor	Neglected	Concern sector negotiation and resolve taxation issue	DoFPS	DHS & NLCS
B	PREVAILING RoW/BUFFERS CONFLICTING WITH MACRO LAND USES								
1	Road RoW Vs. Macro Land Uses (7030.133) - SFMA, NCA & Urban (Major 3)	High	High	Not defined	Not defined	Not defined	Integration based on changing development need	DoST	DoFPS & DHS
2	Powerline RoW Vs. Macro Land Uses (5920.381) - SFMA, Urban & NCA (Major 3)	High	High	Draft RoW formulated	Yet to determine	Undertaken drafting RoW	Adopt reasonable land expropriation tools	DoE	DoFPS & DHS
3	Flood Hazard Vs. Macro Land Uses (521.902) - Industrial, Agricultural & Urban (Major 3)	Medium	High	Not defined	Not defined	Not defined	Defined risks sharing mechanism and ordinances	NCHM	DoI, DoA & DHS
4	Flight Funnel Vs. Major Land Uses (499.799) - Urban, NCA & Industrial (Major 3)	Medium	Medium	Urban settlement as per 2010 & 2015 demarcation	Poor	Neglected	Concern sector negotiation and resolve taxation issue	DoAT	DoI, DoHS & NLCS
5	Culture Buffer Vs. Macro Land Uses (194.727) - Agricultural (Alone)	Low	Medium	Unknown	Not determined	Not determined	Defined integration and ordinances put in place	DoCCD	DoA

Table 8. Conflict Assessment Matrix

Generally, the causes of conflicts in land use/ planning are encapsulated within the ‘trigonal triggers’ as highlighted in Table 9. The trigonal (three) triggers are, increasing scarcity vis-a-vis inability to address; poor institutional structure and governance; and cross land use dynamics /influences, and these subsumes a set of deficiencies under each trigger. In the case of trigger one, conflicts are resulted either through demand-induced scarcity (due to increasing changing need) or supply-induced scarcity (due to limited resource/ optimization) or structural scarcity (due to unequal/

limited rationalized access). Likewise, trigger two resulted from absence of national spatial planning/ ordinances, lack of defined land accounting and coordination, and lack of geo-enabled decision making system in place. The trigger three subsumes limited cross-sectoral engagement in land use harmonization, inflexible use and integration based on changing needs/ priorities and lack of trust and credence in having a common spatial platform.

Trigonal Triggers of Land and Land-based Resource Planning Conflicts		
Trigger 1. Increasing scarcity vis-a-vis inability to manage it:	Trigger 2. Poor governance and institutional structure:	Trigger 3. Cross land use dynamics and influence:
Inadequacy in optimization (supply-induced scarcity);	Absence of spatial policy/ land use ordinances;	Limited cross-sectoral engagement in land use harmonization;
Lack of timely need assessment (demand-induced scarcity);	Lack of geo-enabled decision making system;	Inflexible use/integration based on changing needs/ priorities;
Limited in rationalized access (structural scarcity).	No timely land accounting & coordination mechanism.	Dubious trusts and credence in a single spatial platform.

Table 9. Trigonal triggers of land and land based resource planning conflicts

## LESSONS LEARNT

Along with the verification exercises, TWG has carried out stock-taking of lessons learnt, in the form of issues and challenges; limitations and error tolerances; and the best practices. Examining detailed issues and challenges and resolving them at an appropriate time would ensure better zoned maps, conflict negotiation and foster land use ordinances in times to come. Besides, the best practices observed in the process of NLUZ exercises are also enlisted to continue a smooth transition to the next editions and successful implementation of the projects.

### ISSUES AND CHALLENGES

With the given technical expertise, issues and challenges identified were resolved as much as possible, however many of them merit escalating to higher decision-making bodies or addressing through appropriate negotiation platforms cross-sectorally. Of many, the following are some the pertinent issues and challenges uncovered in the due course of realizing this report:

#### i. Cadastral Data

- The Thram database is not integrated into the cadastral geo-database on a real-time basis which will restrain real-time land use management/zoning in times to come. Adopting map analysis (ArcGIS Enterprise) would still persist as an issue, since the frequency to update and reconcile between two databases is undefined. This would even appear worst with an increasing need for cross-sectoral spatial data integration;
- The conventional or cadastral land type has no direct land use type. There are over 23 land types but requires not more than 9 land uses to be reclassified for NLUZ as macro land use zones.
- Almost 1300 residential plots do not have building footprints, impeding settlement/ residential land use zoning at some level; and
- There are over 3,521 Chhuzhing plots with structure on them. These have been uncovered while overlaying the building footprints on the land types. This leads to inaccurate settlement/ residential land uses.

#### ii. Urban Boundary

- In the process of amending the Local Government (LG) Act for three successive times (2007, 2009 & 2014), the urban classification has narrowed down to two types, viz. Dzongkhag and Yenlag Thromde by LG Act 2014, due to which urban boundaries of 2010 and 2015 come into force. However, despite a decision from the National Assembly on 10th July 2015, the latest version of urban boundary is not enforced. It is seen that about 75% of 2015 boundary is implemented on the ground. As a result, comprehensive urban zones could not be carried out. However, the entire urban spectrum is included in the SDZ as prospectus land use zones; and
- In the PAVA listing for tax purposes, the list does not match the urban boundary defined by the concerned agency.

#### iii. Protected Agricultural Land (PAL)

- The field validation on the overall PAL data based on the ground feasibility considering capability and suitability aspects needs to be carried out nationwide. Also, some of the PAL on the ground have changed the land uses over time due to context, benefits and economic returns. Carrying out PAL zoning without ground feasibility would not be appropriate.
- According to the concerned agency, taking current per capita consumption into account requires 282,296 MT (from 162,930.68 MT in 2021) of cereals, 136,605 MT (from 124115.55 MT in 2021) of vegetables, pulses, fruits, roots and tubers, mustard and spices, 81,981MT of milk (from 54,654.06 MT in 2021), 6,180.24 MT of meat (from 4,120.16MT in 2021), and 199 million eggs (from 133 million eggs in 2021) annually by 2030. However, corresponding to such urges, the actual PAL requirement is not determined spatially, based on the location and population dynamics.
- In order to fully materialize the intended purpose or objectives of the PAL, government’s support in the form of incentives, cash compensation or any other form of subsidies will be critical. Without such investment, it would be very unfair on the land owners to enforce protection, especially Chhuzhing where economic return from paddy cultivation is extremely low (due to high costs of production) as compared to other crops or economic activities.

#### vi. Community Land

- Most of the registered community lands are found used as residential and institutional on the ground with some structures developed, which requires field validation to confirm the actual land uses on the ground.

#### vii. Nonconforming Land Uses

- There are a number of nonconforming land use cases as per plans. For instance, some plots registered as CSO but commercial and industry in nature are found not within its designated land uses.

#### ix. Religious Sites

- 510 residential plots reflected in the cadastral database are observed religious institutions on the ground. Moreso, the Chhuzing and Kamzhing of the religious institutions are still reflected as institutions, resulting in tedious exercises to validate for NLUZ.

#### x. Irrational Acquisition of Land

- There are cases observed, institutions like schools, in particular, have occupied/acquired chunks of land which are not put into use as institutional on the ground, leading to economic loss for the locals as well as inaccurate use of such data for NLUZ to ensure actual land uses on the ground.

#### xi. Existing Mines

- DGM currently maintains a record of 88 active mines and it was discovered that 78 of these mines are common with the NLCS geodatabase. During the reconciliation and validation process, NLCS identified an additional 40 mining plots that were leased out but missing from the DGM database. These 40 additional plots were integrated into the final mapping through collaborative efforts, resulting in a comprehensive total of 128 mining plots for NLUZ mapping.

#### x. Absence of Critical Dataset

- Dataset on critical watersheds is not provided. While 186 numbers of watersheds merely cover the whole country and do not provide critical priorities to include in NLUZ; and
- Soil data in spatial form is not available to support NLUZ initiatives, to determine the suitability and capability of land uses.

#### Limitations and Error Tolerance

The report incorporates various data sources and methodologies to classify and map land use zones across the country. It is essential to understand the potential errors and limitations associated with the data used in order to provide accurate and reliable information. This section focuses on the concept of error tolerance and highlights key considerations regarding data acquisition, validation, harmonization, and map scaling.

#### i. Reclassification and Validation

The reclassification of NLUZ cadastral data involves utilizing spatial data from different sources such as facility points, building footprints, religious site points, etc. Open-source satellite imagery from platforms like Google, Bing, and OpenStreetMap is employed to validate the reclassified data. However, it is important to note that satellite imagery is often outdated in remote areas, leading to potential discrepancies in those regions. Ground truthing, although incomplete in this edition, remains crucial for validating the reclassified data.

#### ii. Data Transformation and Harmonization

Certain datasets, including urban boundaries (2010), heritage conservation zones, hazard maps and similar datasets have undergone transformations, conversions, and alignment processes to ensure compatibility with other data sources. Some datasets required datum transformation to maintain the same coordinate reference system (i.e Drukref 03) while some harmonized with the standard base data (Administrative Boundary), and some datasets were converted to the standard ESRI Shapefile format. These efforts aim to harmonize the data, some information loss might have occurred during these processes. If it becomes necessary to consider the original versions of such data, it may be prudent to refer to them separately. It is essential to acknowledge that each dataset serves its specific purpose, and combining them into a comprehensive zoning map involves dealing with diverse perspectives, resulting in a significant volume of data.

#### iii. Varied Data Acquisition Methods

The acquisition of data for land use zoning involved different methods, such as raster data, handheld GPS, satellite imagery, precise surveying instruments, smartphones, and topo-base maps. The different modes of acquisition introduced variations in accuracy and precision. Ground truthing and re-acquisition of data are recommended to achieve precise demarcation and accurate implementation. Only the zones derived from cadastral data have undergone this process, ensuring higher accuracy in those areas.

#### iv. Map Scaling and Base Data Usage

The production of maps at different scales, including 5k, 25k, 50k, and 300k, requires careful consideration. While the base data derived from the 50k topo map covers the entire country, the 25k topo map is used for the southern belt. However, using the 50k topo base for 25k scale maps in the northern region or employing the 50k or 25k base for 5k scale maps may result in reduced accuracy. Therefore, the base data is primarily utilized as a positional reference for thematic maps. It should be noted that some information provided by the base data may have been updated in reality over time.

#### v. Data Availability

This edition prides itself on its comprehensive data; however, it is crucial to acknowledge that certain spatial datasets are not complete, and they only cover specific parts of the country. The figures and analysis in NLUZ are derived from spatial data sourced from various agencies until 30th June 2023, with additional data acquired for visualization purposes on 19th July 2023. Despite our concerted efforts to collect data from all agencies, some datasets are still under acquisition or not readily available, resulting in a shortfall in overall coverage. Nonetheless, we have utilized the available spatial data from multiple sources to yield valuable insights into land use patterns within the covered areas, while acknowledging the limitations of incomplete data.

#### vi. Area Calculation

For the purpose of area calculation in the report, the unit considered is acres, rounded to the third decimal place. Any values below the third decimal place may appear as zero in the report, but this





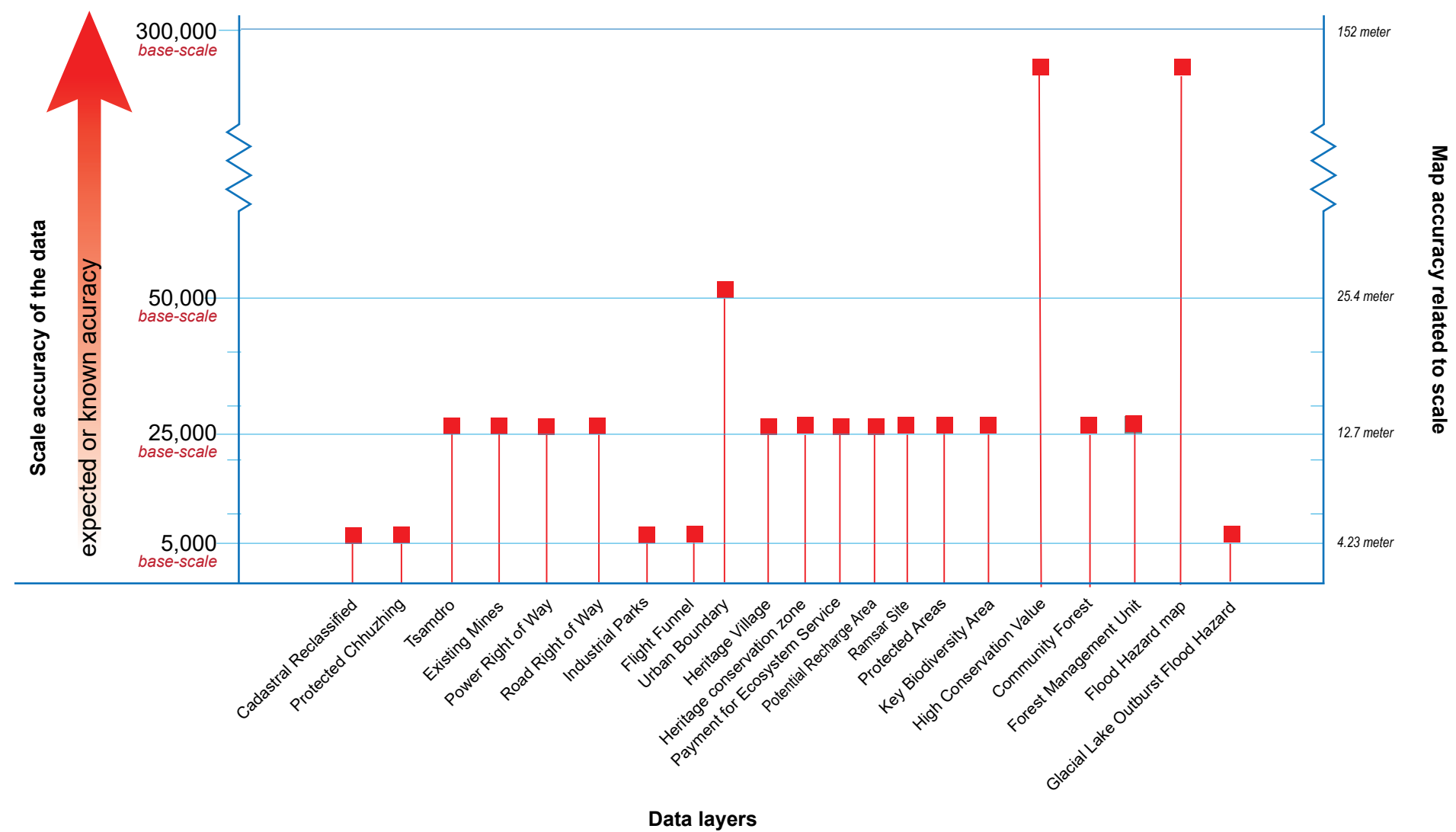


Figure 11: Spatial data accuracy chat

rounding does not significantly affect the overall analysis of macro land use conflicts. In cases where more precise measurements are required, square feet can be considered as an alternative unit. However, it is important to note that the impact of rounding to the third decimal place is negligible in the context of the broader land use assessment.

Error tolerance is a critical aspect of the National Land Use Zoning Report for Bhutan. Understanding the limitations and potential errors associated with data acquisition, validation, harmonization, and map scaling is crucial for ensuring accurate and reliable zoning maps. Detailed information on accuracy and usage is reflected in the metadata inventory in Appendix 2 of this report.

In a nutshell, the report aims to provide a comprehensive understanding of the land use zones while acknowledging the need for further improvements and refinement in future editions. The data accuracy chat is shown in Figure 11, which inherently indicates the accuracy and corresponding error tolerances.

### Instant Benefits

While carrying out this exercise, it is observed that there are a couple of benefits derived along the way, both at coordinating agency and cross-sectoral levels. Certain sectors have already realized the importance of proper geo-spatial data creation and use in their planning and decision-making processes. This exercise provided them to update and validate their own geo-spatial data repository through proper geo-processing methods and align to the overall national and sector requirements. They have constantly cooperated in inventorying the entire spatial data in a single platform, to which sectors shall have access, use and reduced costs, efforts and duplication in geo-spatial creation and management.

Some of the sectors, like DoFPS, DoCDD and DoA have already started rationalizing land uses based on the changing requirement and importance, regardless of the land use classes prevailing prior to

the initiative. For instance, most of the micro zones under Nature Conservation Areas (NCA) zone have defined the micro land uses, segregated into four zones, viz. core, transition, buffer and multiple use zones. Similarly, heritage has segregated conservation and buffer zones; and over eight land types in agriculture have already been indicated to subsume in three land uses on the ground, viz. Kamzhing (dry land); protected and regulated chhuzhing (wetland); and agricultural lease land.

The geospatial inventory through this NLUZ initiative indicated the land use conflicts across all sectors, which enabled them to realize that the land use conflicts and issues associated over time have bearings to the state and sectors, in terms of costs and turnaround time. For instance, as the issues related to not having water sources mapping and not protecting its discharge-areas are glaringly spiraling over time, the concerned sector has realized the importance of NLUZ mapping. Similarly, to facilitate the protection of critical reservoirs for storage-hydropower to ensure sustainable river flow to generate the power in lean seasons are some of the value additions that NLUZ mapping ensures.

There is substantial reduction in the land use conflicts in due course of spatial inventorization with this edition. This is merely through the sectoral engagement and consensus reached between the sectors. However, exhaustive ground truthing in the next edition shall provide the nature and extent of conflict reductions.

All in all, there were numerous instant benefits obtained associated with the overall NLUZ initiatives so far. To enlist a few but not limited to the following:

- Community Forest (CF): There were about 6,699.278 acres of CF overlapping with the cadastral plots, indicating a conflict with the demarcated CFs entailing numerous issues at household and community levels. The NLUZ could resolve entire such issues and delineate CFs clearly. The CF is now 262,330.7054 acres in total as compared to earlier 233,475.728 acres. This will help for better CF management and support for land use prioritization in the coming editions.

- Urban Boundary: There has been ambiguity on the actual urban boundary and numbers. After the 2010 approved boundary, there is a parliament approved urban boundary of 10/07/2015 with 33 towns. However, due to confidence in data and implementation issues, only about 75% of the 2015 urban boundary is included in urban zones (based on implementation status on the ground). However, with this exercise, due to a series of rounds of engagement with the concerned agencies, a consensus has arrived to move forward with prospectus urban land use under SDZ for now.

- Administrative Boundary: Succeeding with the 68th National Assembly and 267th Lhengay Zhungtsho, the national administrative boundary has not changed. As a basis, a common administrative boundary is agreed and used in this report, regardless of uses in different agencies so far, which has bearings on overall spatial data quality.

- Strategic Development Zones (SDZ): The NLUZ exercises could carry out stocktaking of all foresight/prospective development agenda which has data in spatial form. This is intended to ensure a single spatial platform for futuristic land use management and spatial planning. There are about 14 spatial datasets included/used in this edition under SDZ.

- Strategic Data Sharing Platform: As the use and demand for credible spatial data becomes more and more critical, for instance with the onset of free zone planning, the spatial data in a single source would not have been possible if this NLUZ exercises was not undertaken. About 43 spatial data sets are now built within the NLUZ maps for any form of sharing and use.

- Delineated State Land (Unzoned Area): Any scope of outright land expropriation can be easily carried out in the Unzoned Areas (UA), which are delineated from macro zones, except SDZ without any form of land use conflicts. Through this NLUZ, Unzoned Area (UA) of about 336,4753.500 acres have been delineated in the zoned maps. This also excludes buffers and nonessential components from LULC 2020, viz. Alpine Scrub/ Shrubs, Water Bodies, Snow and Glaciers, Moraines, Landslides, Rocky Outcrops & Sandy banks.

## FUTURE COURSE OF ACTION

Considering the extensiveness in scope and objectives of the NLUZ initiatives, it was recommended in numerous in-house discussions and cross-agency engagement to bring about Three Editions in NLUZ. In the course of consultations and validation processes, a gamut of issues and challenges have surfaced along with instant benefits derived from the exercises. These need to be resolved in a phased manner at appropriate stages in the successive editions. The common aspects to address in next editions are highlighted in Table 10 as activity wayposts. Similarly, to resolve any form of land use conflicts and reach to harmonized land use zoning, including integrated land uses wherever possible, the conflict resolutions/negotiations shall only happen with the commencement of Second Edition.

In terms of zoned map sharing, the maps shall be published in limited hard copies to circulate amongst key stakeholders until a web application is established for defined access and protocol. Meanwhile, since the Thram database is not integrated with cadastral geodatabase on a real-time basis, data cleaning and updating are required on a timely basis to support successive editions, until full integration happens and a common API is established. The data cleaning and validation protocols need to be established and adhered strictly, for the benefits of NLCS and cross-agencies. Moreso, a few dedicated fast processing workstations with technical NLUZ focal is necessary due to enormous data management tasks and technical coordination at NLCS along with capacity development on advanced geoinalysis and WebGIS.

The Land Use Accounting (LUA) on a frequent basis as per UN-ESCAP's System of Environmental-Economic Accounting Central Framework (SEEA-CF) may be recommended to ensure land use change and proper land use accounting, at least for all macro zones. This shall foster proper spatial governance resolving most of the trigonal triggers as highlighted in Table 9.

On the whole, this report shall form a basis for national spatial envisioning and formation of spatial policy at a national level under an appropriate institutional structure. Based on several inferences drawn from the NLUZ exercise, it becomes evident that the country lacks spatial vision for informed developmental planning and policies which hampers facilitation of strategic land uses across entire sectors. The common understanding is that the nationwide zoning exercises be the basis for rationalizing the national spatial envisioning, in order to,

- Tackle inherited spatial divisions – the division that perpetuated spatial creations, use and management;
- Unlock development potential – unlock development potential through spatially enabled targeted interventions;
- Guide and inform infrastructure investment and prioritization – spatial investment framework to support growth and inform the long-term infrastructure investment strategy;
- Manage contemporary economic and demographic shifts – support economic dynamics by concentrating productive activity, entrepreneurs, workers and consumers in a place without congestion; and
- Facilitate spatial coordination between agencies and across – used to bring different actors and interests together to define a common future, binding all spheres and sectors.

The following normative principles may be considered in carrying out spatial envisioning and adopting the spatial policy thereto:

- Sustainability – sustainable patterns of consumption and production should be supported, and ways of living promoted so that damage to natural environment is minimized;
- Resilience – vulnerability to environmental degradation, resource scarcity and climatic shocks must be reduced;
- Conservation – biological and ecological systems are protected and conserved reasonably;
- Quality – the aesthetic and functional features of infrastructure and the built environment need to be improved to create more livable, vibrant and valued community;
- Efficiency – productive activity and jobs should be supported, and burdens on business minimized. Efficient commuting patterns and circulation of goods and services should be encouraged, with processes that do not impose unnecessary costs on the development; and
- Righteousness - the ordinances that facilitate seamless land use harmonization and establish rational access and progress.

Thus, NLUZ report as fundamental geospatial creation shall be an indispensable precursor for spatial envisioning and adoption of national spatial policy and allied land use systems hereafter. This shall ultimately ensure a 'Geo-Enabled Nation with Par Excellence Land Governance' vision of the land sector defined under the Sazhi 2034+ aligned with the development vision of the country, 'Developed Bhutan by 2034'.

Future Course of Action for NLUZ			
Aspects	Limited Edition (2023)	First Edition (2024)	Second Edition (2025)
Data acquisition	Major GI producers	All GI Producers within the preview of GI Policy	All GI Producers within the preview of GI Policy
Validation	Critical field validation, including LULC	Complete field validation	Complete field validation
Parameterization	Based on land use definitions	Critical land uses based on technical definition (suitability & capability)	All land uses based on technical definition (suitability & capability)
Access and sharing	All agencies shared complete maps & explore dynamic (web-based)	Web-based access and sharing established. NLUZ Decision Support System (through support of UNITAR).	NLUZ Decision Support System put in place and all agencies have access and seamless sharing.
Land use conflict resolution	Start negotiations on land use conflicts	Cross agency negotiations on all land use conflicts	Land use ordinances adhered at all levels
Definition of Zonation Interval	Not applicable	Definition of zonation interval started and proposed	Zonation interval defined
Issues & challenges	Few out of identified resolved	All identified resolved	All identified resolved
Error tolerance	Accepts identified error tolerances	Ensured no mismatch between land use on the ground and land data.	No mismatch between land use on the ground and land data.

Table 10: Future Course of Action for NLUZ

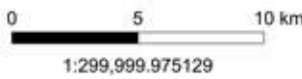
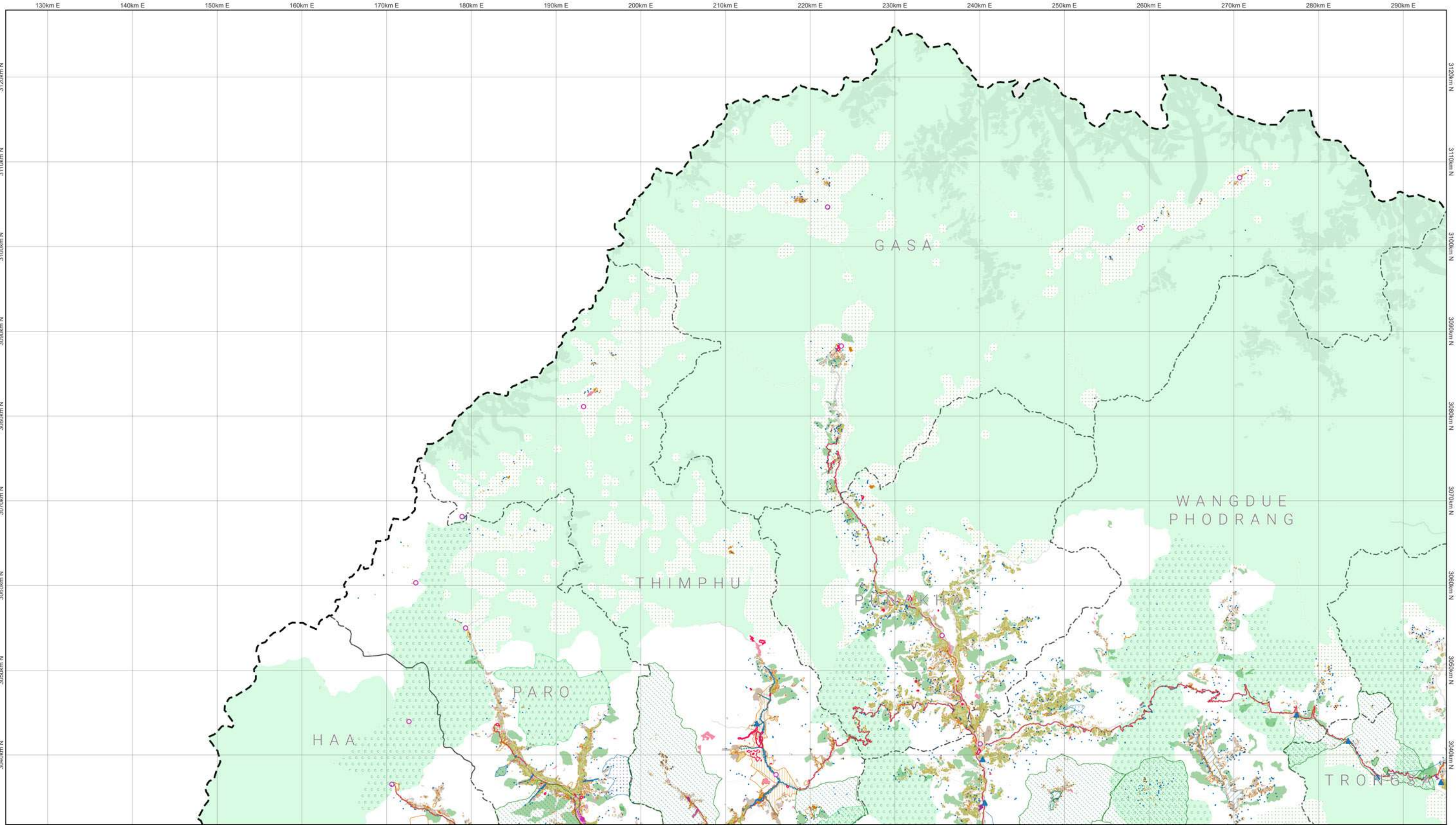


## **PART II**

### **COUNTRY, DZONGKHAG AND GEWOG WISE ZONED MAPS**



# National Land Use Zoning



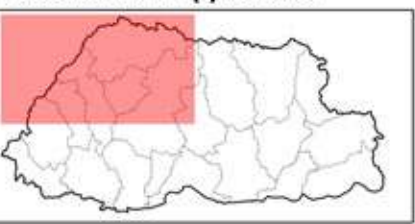
## Basemap

<b>Boundaries</b>	<b>Roads for different map scales</b>	
International	Highway 300k	Thromde 50k
Dzongkhag	Highway 50k	Thromde 25k
Gewog	Highway 25k	Thromde 5k
<b>Rivers</b>	Highway 5k	Access 5k
Main river	Dzonkhag 50k	Industrial 5k
Perennial	Dzonkhag 25k	Farm 5k
<b>Terrain</b>	Dzonkhag 5k	
Contour		

## National Land Use Zoning

<b>Agricultural Land</b>	<b>Nature Conservation Area</b>	<b>Other Effective Area-based Conservation Measures</b>	<b>Sustainable Forest Management Area</b>	<b>Rangeland</b>	<b>Industrial</b>	<b>Right Of Way / Buffer</b>
Kamzhing	Core Zone	Key Biodiversity Area	Forest Management Unit	Tsamdro	Manufacturing and Production	Heritage
Protected Chhuzhing	Transition Zone	High Conservation Value	Community Forest	Urban Zone	Service	Road
Regulated Chhuzhing	Buffer Zone				Existing mines	Powerlines
Leased Land	Multi Use Zone				Airport	Flight Funnel
<b>Rural Settlement</b>	Biological Corridor / Botanical Park	<b>Significant Watershed</b>	<b>Cultural Heritage</b>		Helipad	<b>Hazard and Risk</b>
Residential Land		Potential Recharge Area	Religious Sites		Hydro Power Plants	Rain Induced Flood
Institutional Land	<b>Wetland</b>	Payment for Ecosystem Services	Heritage Village		Hydro Power Waterways	Glacier Lake Outburst Flood
	Ramsar Site	Water Sources	Heritage Conservation Zone			

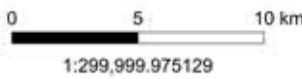
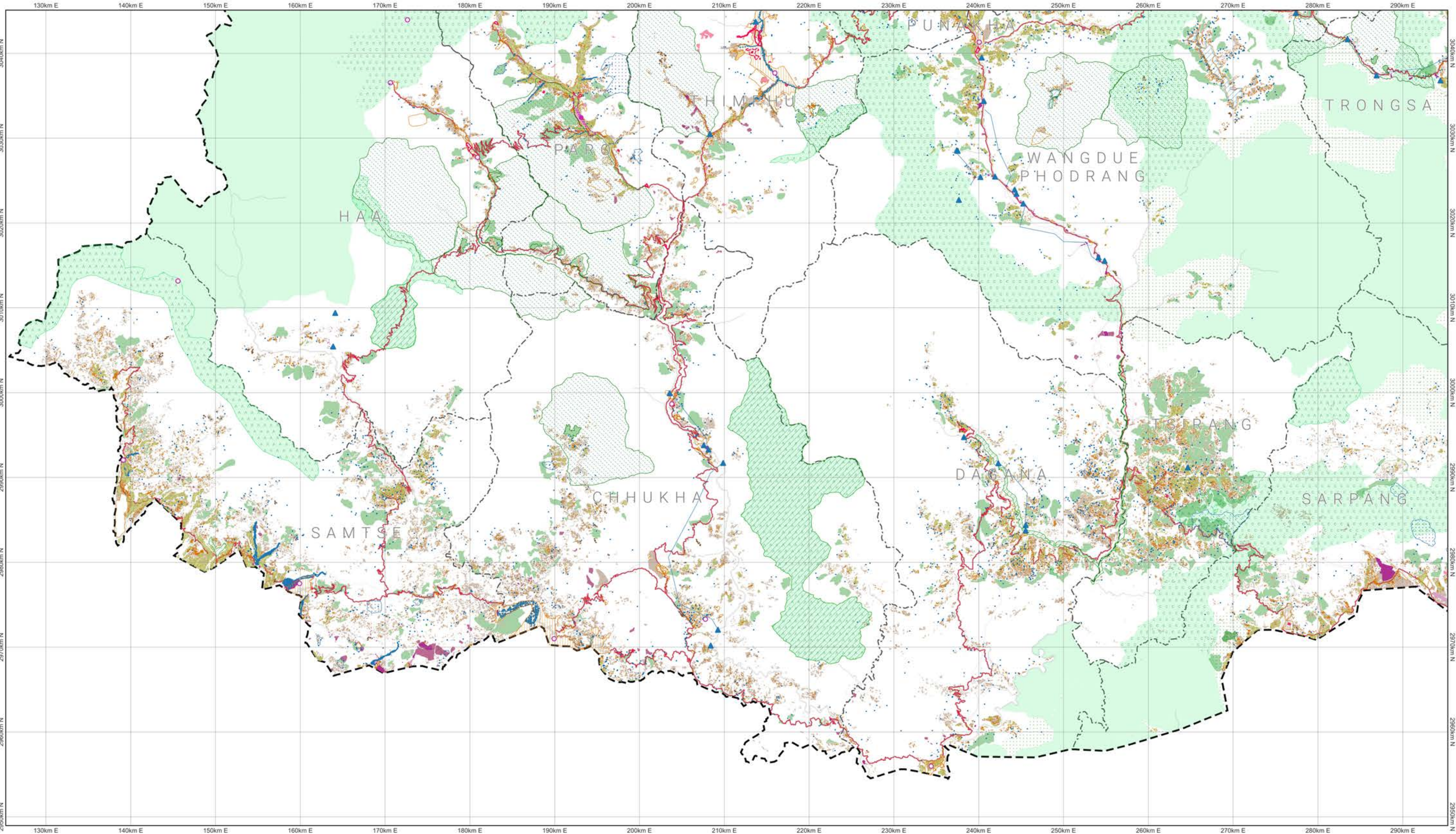
## Location of mapped area



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# National Land Use Zoning



**Basemap**

**Boundaries**

- International
- Dzongkhag
- Gewog

**Rivers**

- Main river
- Perennial

**Terrain**

- Contour

**Roads for different map scales**

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

**National Land Use Zoning**

**Agricultural Land**

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Leased Land

**Rural Settlement**

- Residential Land
- Institutional Land

**Nature Conservation Area**

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

**Protected Area**

- Ramsar Site

**Other Effective Area-based Conservation Measures**

- Key Biodiversity Area
- High Conservation Value

**Significant Watershed**

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

**Sustainable Forest Management Area**

- Forest Management Unit
- Community Forest

**Cultural Heritage**

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

**Rangeland**

- Tsamdro

**Urban**

- Urban Zone

**Industrial**

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

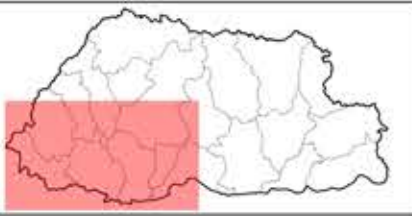
**Right Of Way / Buffer**

- Heritage
- Road
- Powerlines
- Flight Funnel

**Hazard and Risk**

- Rain Induced Flood
- Glacier Lake Outburst Flood

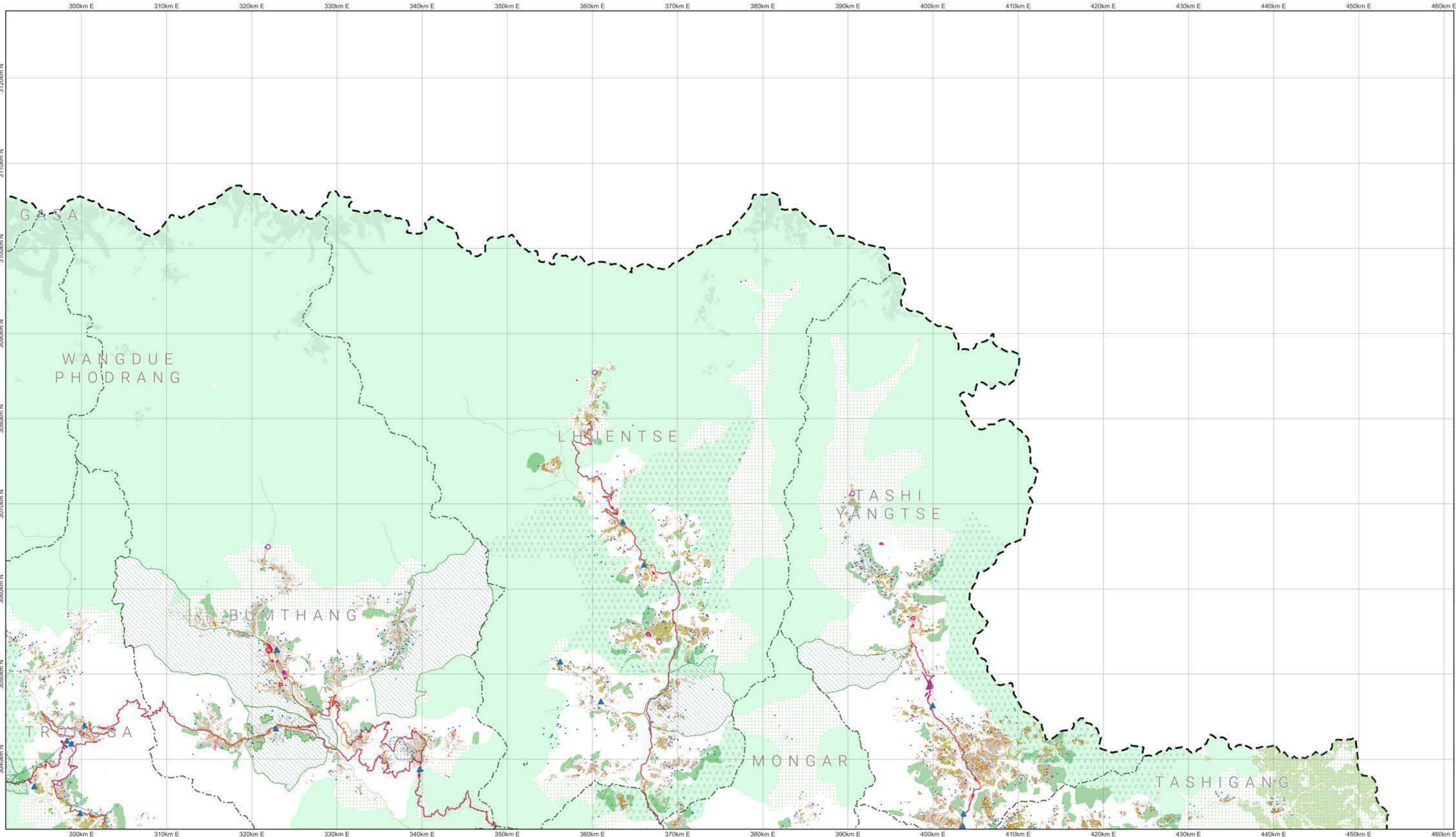
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# National Land Use Zoning



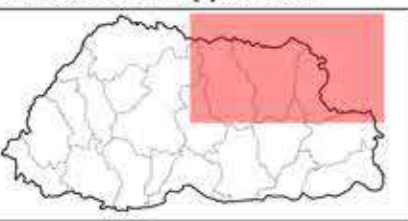
## Basemap

- Boundaries**
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  - Gewog
- Rivers**
- Main river
  - Perennial
- Terrain**
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  - Thromde 5k
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  - Dzongkhag 25k
  - Dzongkhag 5k
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## National Land Use Zoning

- Agricultural Land**
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- Residential Land
  - Institutional Land
- Nature Conservation Area**
- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
  - Wetland
  - Ramsar Site
- Other Effective Area-based Conservation Measures**
- Key Biodiversity Area
  - High Conservation Value
- Significant Watershed**
- Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Sustainable Forest Management Area**
- Forest Management Unit
  - Community Forest
- Cultural Heritage**
- Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Rangeland**
- Tsamdro
  - Urban
  - Urban Zone
- Industrial**
- Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Right Of Way / Buffer**
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Hazard and Risk**
- Rain Induced Flood
  - Glacier Lake
  - Outburst Flood

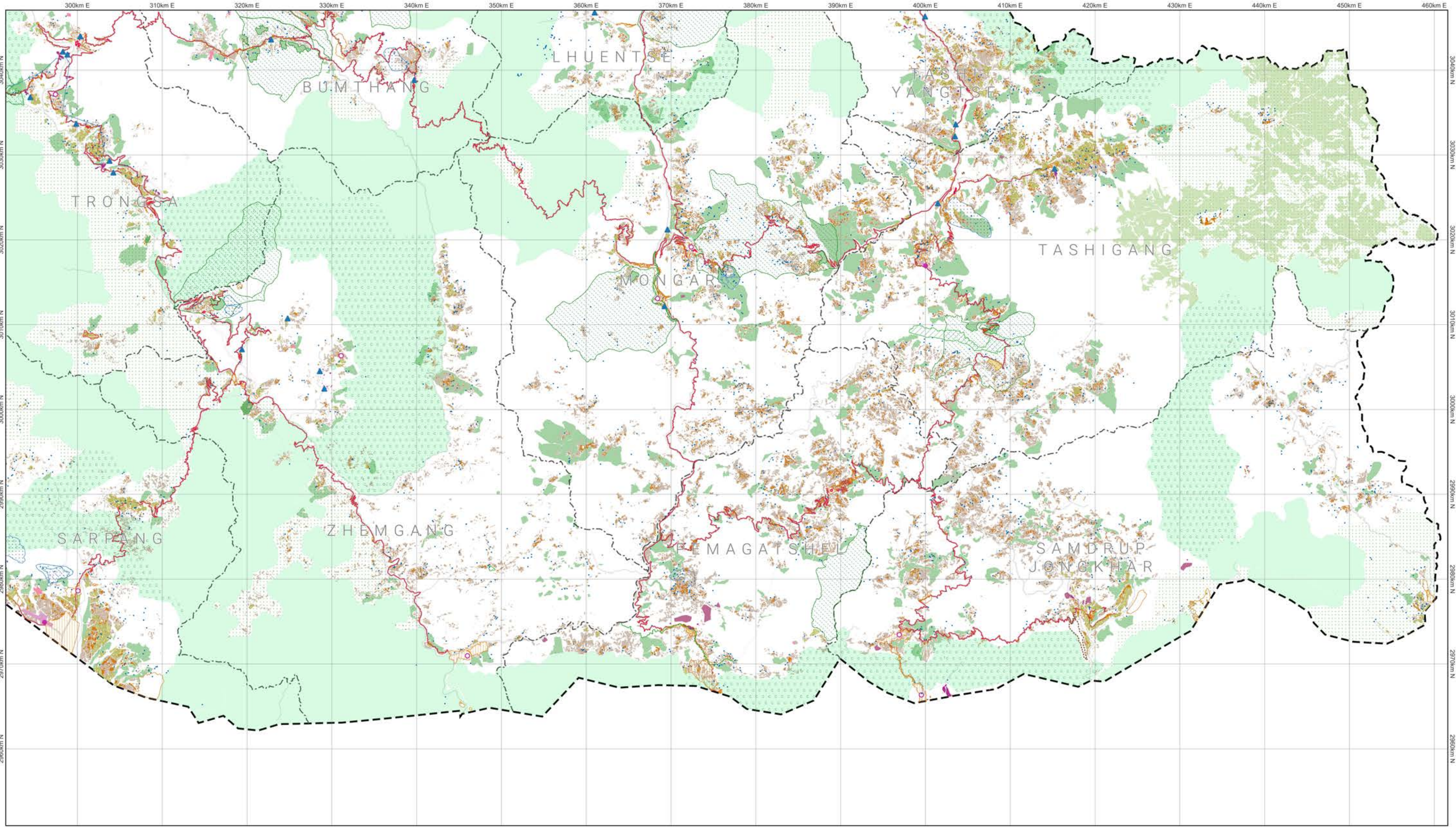
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# National Land Use Zoning



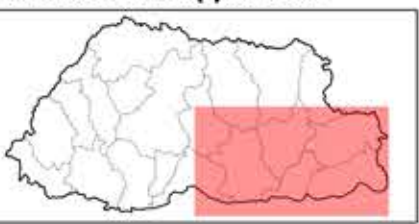
## Basemap

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## National Land Use Zoning

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  - Glacier Lake Outburst Flood

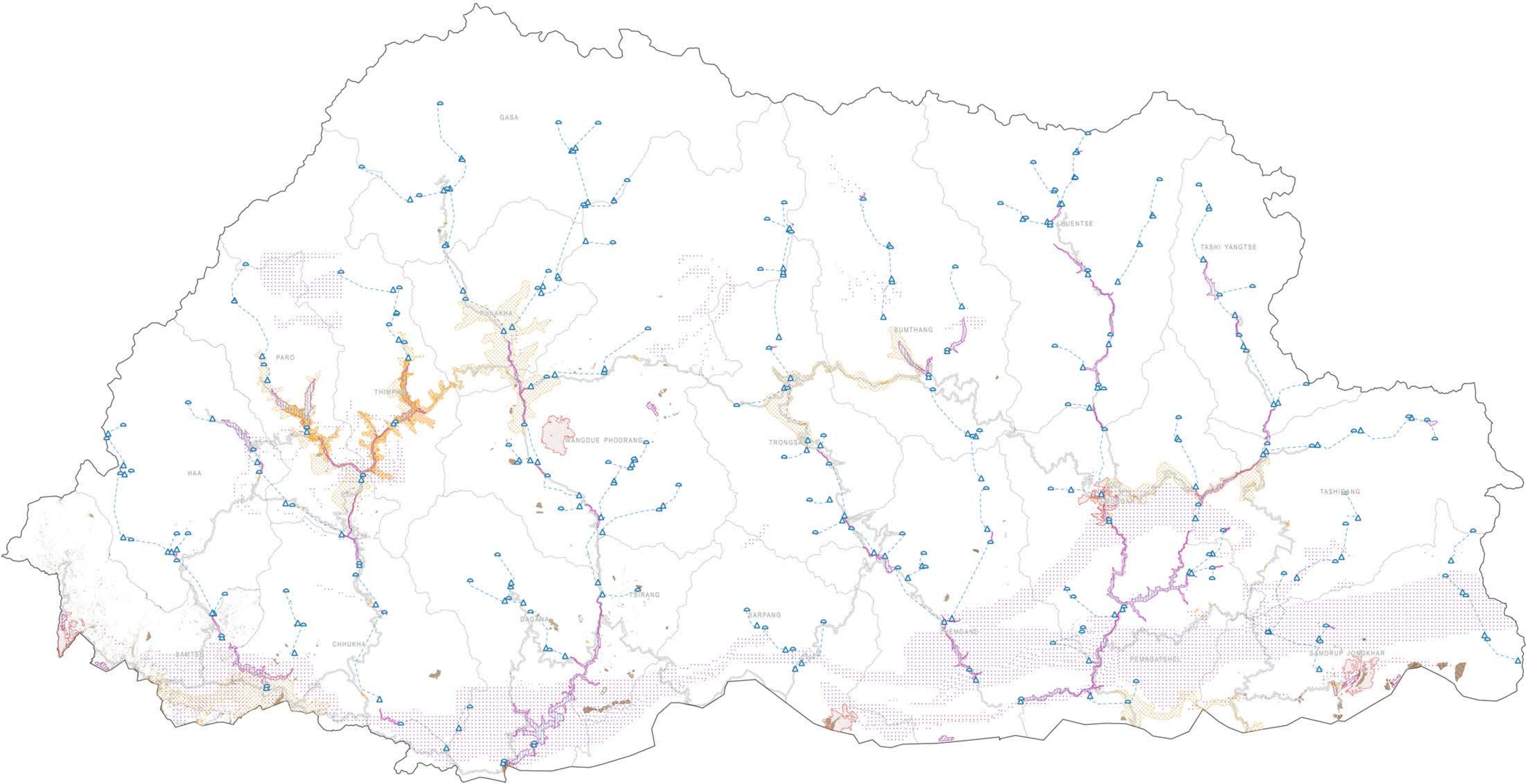
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# Strategic Development Zone



## Human Settlement Plan

- Prospective Towns & Urban Area
- National Capital Region / Linked Urban Centre
- Paro-Thimphu Strategic Sites
- Paro-Thimphu Strategic Area

## Aesthetic Strategic Area

- Gyalsung Visibility Area

## Alienable Land

- Alienable Land
- Alienable Large-scale Farming

## Prospective Industries

- Industrial Park
- Mineral Zone
- Potential Airport

## Prospective Energy Plans

- Hydropower Dam
- Hydropower Powerplant
- Hydropower Tunnel
- Reservoir

## Data Owners

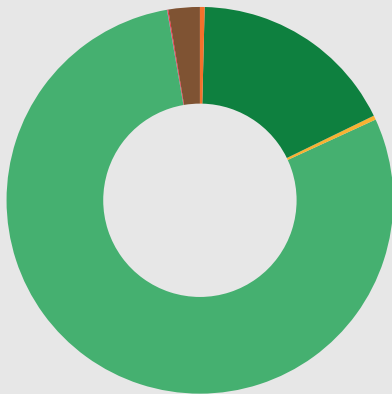
- |  |  |
|--|--|
|  Department of Agriculture and Livestock<br>Ministry of Agriculture and Livestock |  Department of Air Transport<br>Ministry of Infrastructure and Transport    |
|  Department of Energy<br>Ministry of Energy and Natural Resources                 |  Department of Human Settlement<br>Ministry of Infrastructure and Transport |
|  Department of Geology and Mines<br>Ministry of Energy and Natural Resources      |  National Land Commission Secretariat                                       |
|  Department of Industry<br>Ministry of Industry, Commerce and employment          |  |

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Zone Area

Dzongkhag	Bumthang
Dzongkhag code	01
Dzongkhag area	670746.432
Zone	Area
Agriculture	15257.742
Culture	414.621
Industrial	217.414
NCA	460443.821
Rangeland	0
Rural Settlement	2044.948
SFMA	101269.791
Urban	2265.68



All areas are in Acres.



Zone Conflict

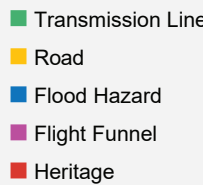
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	3958.599	3,739.29	1101.706	158.295	25.347	466.946	0
NCA	3958.599	0	3,303.78	0	26.265	0.458	105.2	0
Agriculture	3,739.29	3,303.78	0	147.511	20.493	0	0	0
Urban	1101.706	0	147.511	0	109.708	144.968	27.054	0
Culture	158.295	26.265	20.493	109.708	0	0	0.199	0
Industrial	25.3470	0.458	0	144.968	0	0	6.972	0
Rural Settlement	466.9460	105.2	0	27.054	0.199	6.972	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	143.317	245.738	77.259	0	0.17	2.416	24.684	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	1053.175
Flood Hazard	0
Flight Funnel	0
Heritage	0



Demographic Table

Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Bumthang	9,396	8,424	17,820	111.5	25	3,770



Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
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  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
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  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

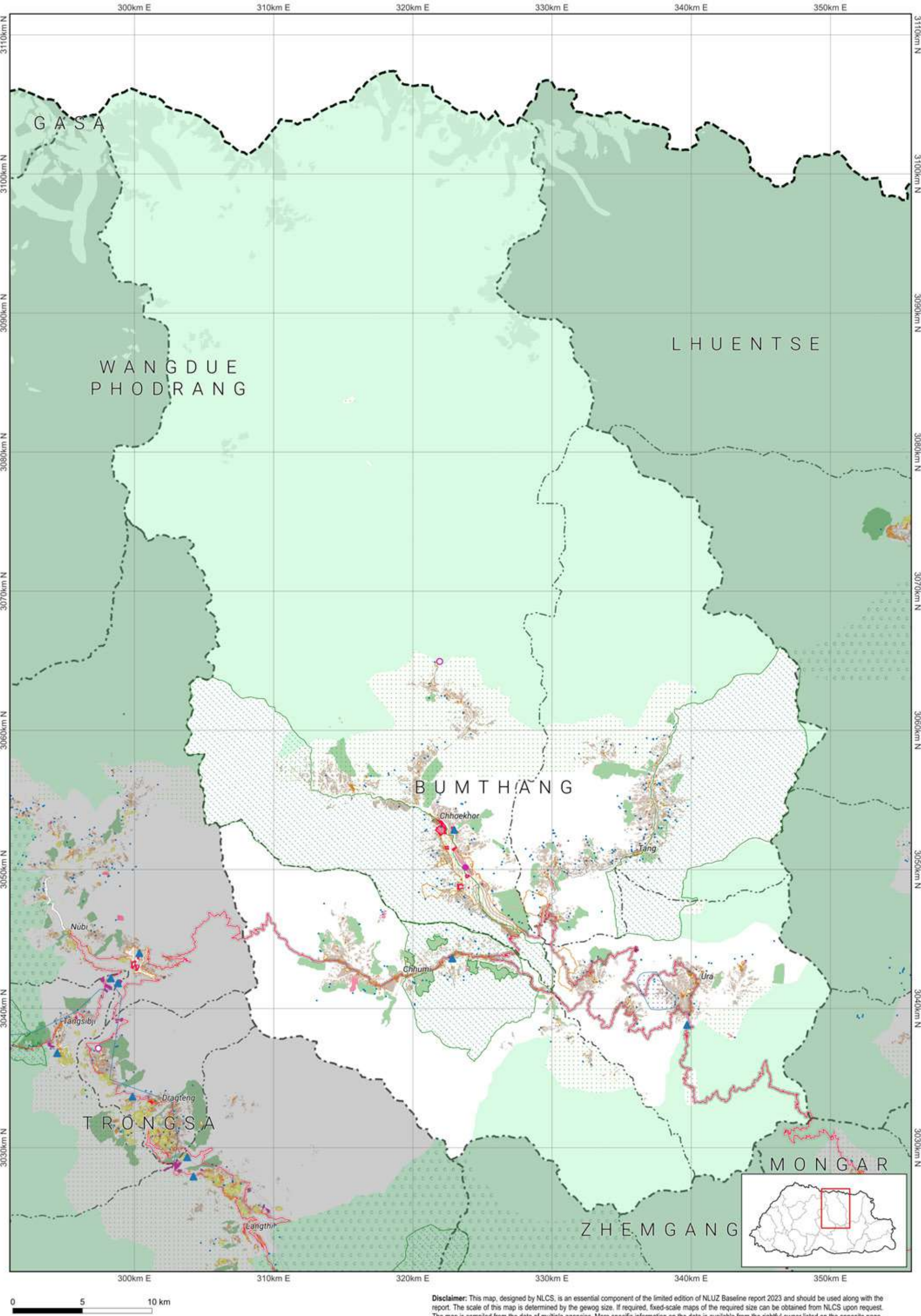
- Contour

Roads for different map scales

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- Industrial 5k
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Bumthang

National Land Use Zoning 2023



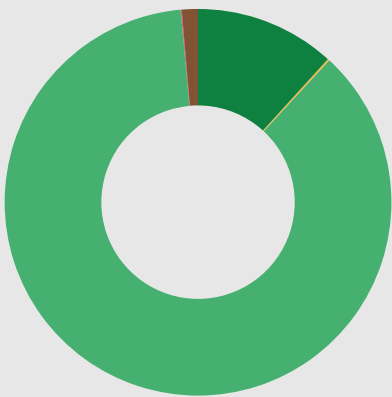
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Zone Area

Gewog	ChhoeKhor
Gewog code	101
Gewog area	378105.099

Zone	Area
Agriculture	5063.854
Cultural Heritage	185.604
Industrial	156.527
NCA	326768.664
Rangeland	0
Rural Settlement	509.142
SFMA	44273.591
Urban	2265.68



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	3493.376	1,583.17	1101.706	142.438	10.549	374.378	0
NCA	3493.376	0	2,414.34	0	9.419	0.357	93.476	0
Agriculture	1,583.17	2,414.34	0	147.511	20.493	0	0	0
Urban	1101.706	0	147.511	0	109.708	144.968	27.054	0
Culture	1 42.438	9.419	20.493	109.708	0	0	0.199	0
Industrial	10.549	0.357	0	144.968	0	0	6.972	0
Rural Settlement	374.378	93.476	0	27.054	0.199	6.972	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	32.042	0	3.994	0	0	0	0.037	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage Zone	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer	Area
Transmission Line	0
Road	43.306
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
ChhoeKhor	2,042	1,905	3,947	107.2	26.4	805	4.3

Map Legend

National Land Use Zoning

- Agricultural Land
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  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
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Basemap

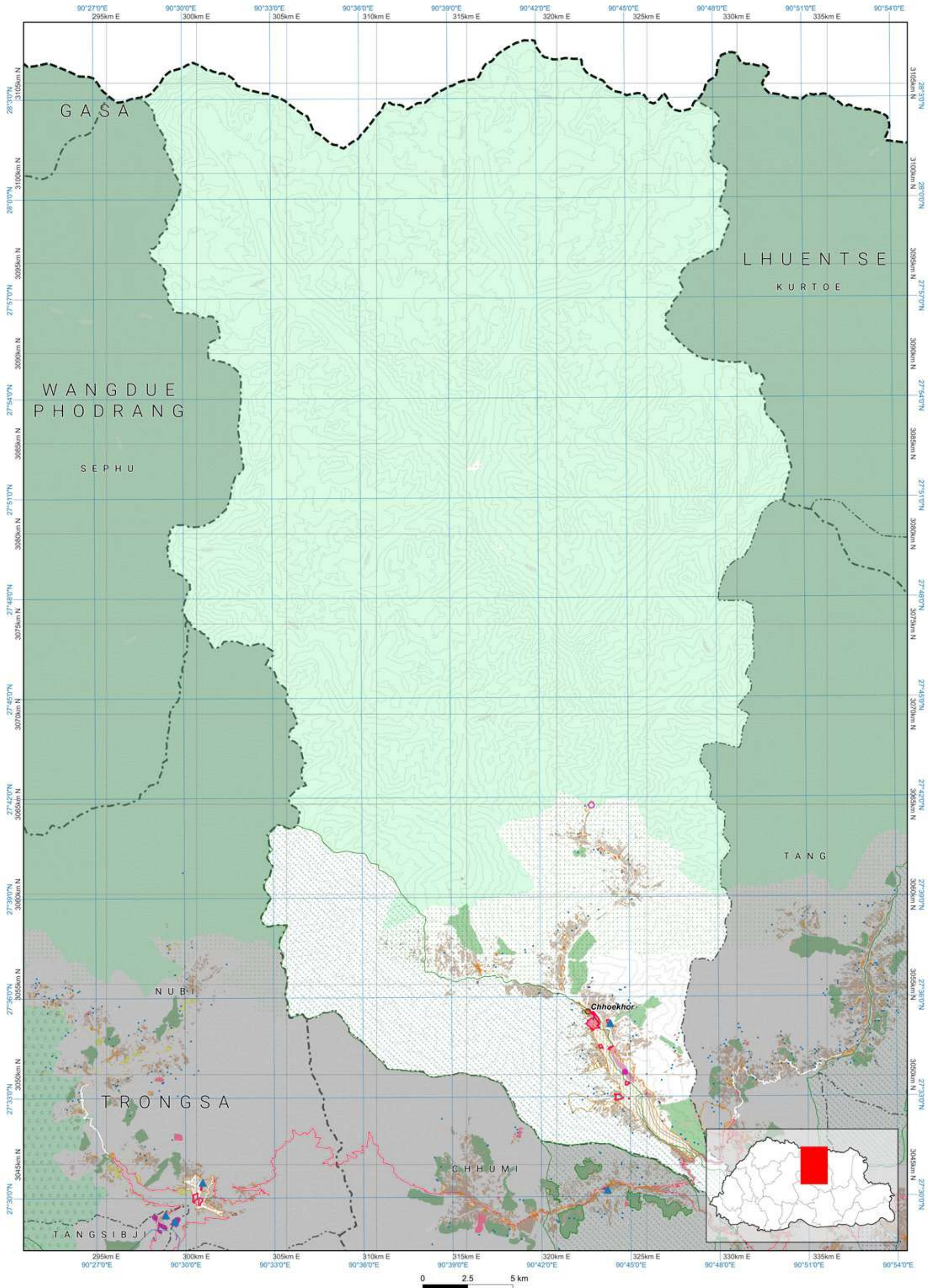
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Data Ownership

Data Owner of the Map Content
Bhutan Power Corporation Limited
Druk Holding and Investment
Department of Forests and Park Services
Ministry of Energy and Natural Resources
Department of Geology and Mines
Ministry of Energy and Natural Resources
Department of Water
Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development
Ministry of Home Affairs
Department of Air Transport
Ministry of Infrastructure and Transport
Department of Human Settlement
Ministry of Infrastructure and Transport
Department of Surface Transport
Ministry of Infrastructure and Transport
National Centre for Hydrology and Meteorology
National Land Commission Secretariat



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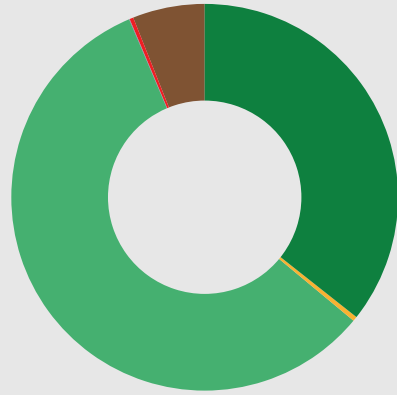
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## Zone Area

Gewog	Chhumi
Gewog code	102
Gewog area	99171.586

Zone	Area
Agriculture	3071.411
Cultural Heritage	161.664
Industrial	24.426
NCA	29345.798
Rangeland	0
Rural Settlement	196.577
SFMA	18161.697
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	1,110.27	0	14.218	14.591	78.388	0
NCA	0	0	119.473	0	0	0	2.339	0
Agriculture	1,110.27	119.473	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	14.218	0	0	0	0	0	0	0
Industrial	14.591	0	0	0	0	0	0	0
Rural Settlement	78.388	2.339	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer	Area
Transmission Line	0
Road	272.551
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	105.4	0	28.461	0	0.17	0.652	5.831	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage Zone	0	0	0	0	0	0	0	0

## Map Legend

### National Land Use Zoning

**Agricultural Land**

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

**Rural Settlement**

- Residential Land
- Institutional Land

**Sustainable Forest Management Area**

- Forest Management Unit
- Community Forest

**Cultural Heritage**

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

**Urban**

- Urban Zone

### Nature Conservation Area

**Protected Area**

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

**Wetland**

- Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake
- Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

**Rangeland**

- Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

#### Boundaries

- International
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- Main river
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## Data Ownership

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Druk Holding and Investment

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Geology and Mines  
Ministry of Energy and Natural Resources

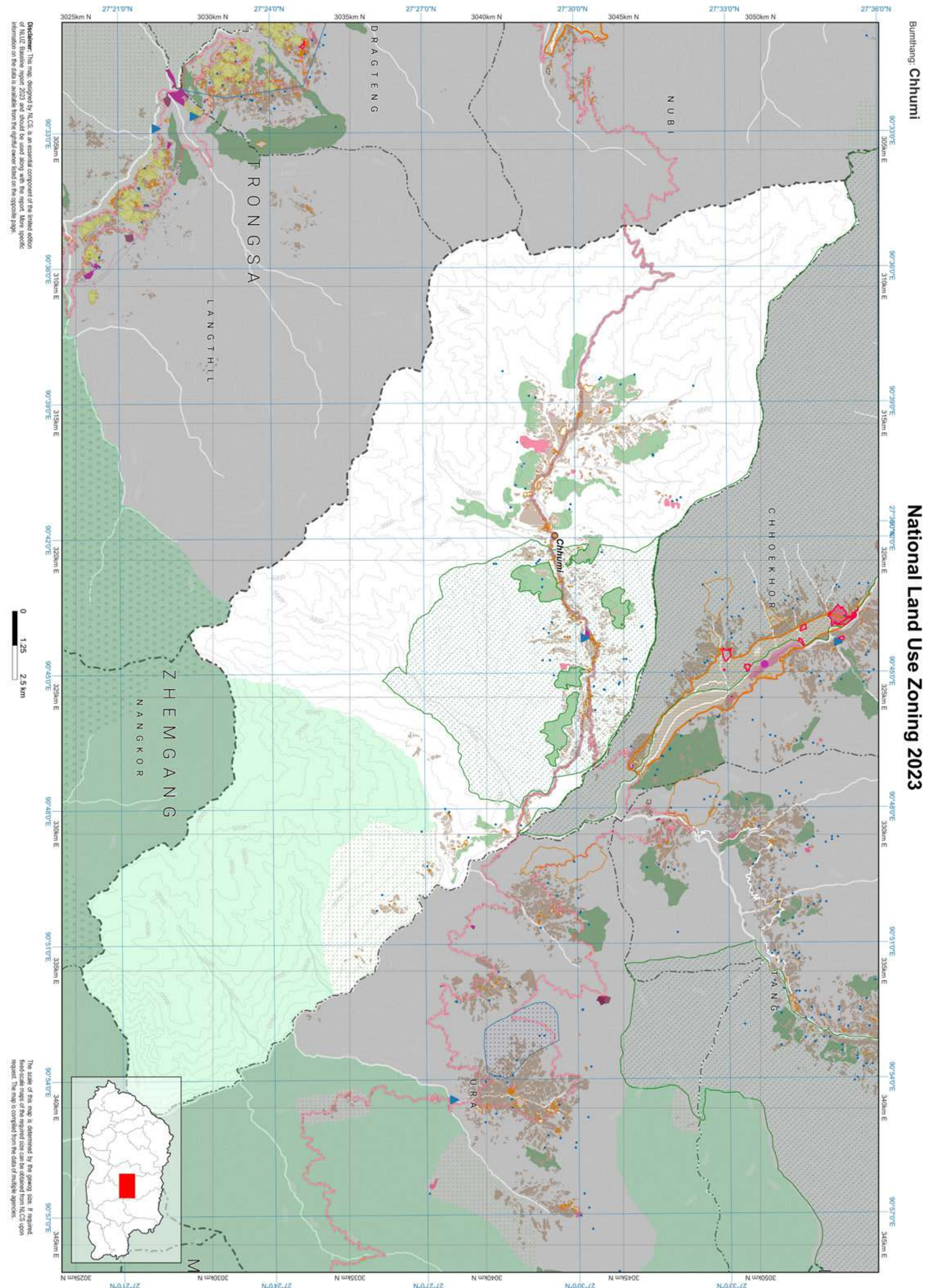
Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Chhumi	1,748	1,447	3,195	120.8	32.7	637
Chhumi Town	189	204	393	92.6	11.9	72



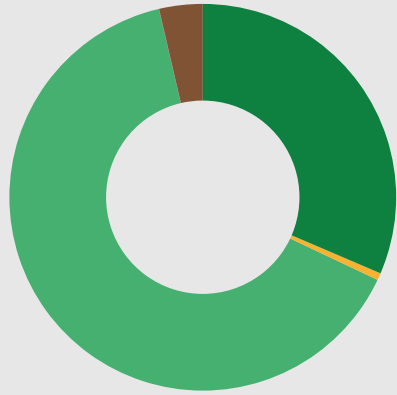


TANG

## Zone Area

Gewog	Tang
Gewog code	103
Gewog area	128027.592

Zone	Area
Agriculture	3980.683
Cultural Heritage	33.322
Industrial	0.578
NCA	70555.931
Rangeland	0
Rural Settlement	648.717
SFMA	34490.021
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	79463.192	22,386.89	0	405.674	595.324	3392.172	0
NCA	79463.192	0	31,100.75	0	562.123	0	5076.572	0
Agriculture	22,386.89	31,100.75	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	405.674	562.123	0	0	0	0	0	0
Industrial	595.324	0	0	0	0	0	0	0
Rural Settlement	3392.172	5076.572	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	9.257	0	0	0	4.024	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage Zone	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer	Area
Transmission Line	0
Road	80.656
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

**Agricultural Land**

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

**Rural Settlement**

- Residential Land
- Institutional Land

**Sustainable Forest Management Area**

- Forest Management Unit
- Community Forest

**Cultural Heritage**

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

**Urban**

- Urban Zone

### Nature Conservation Area

**Protected Area**

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

**Wetland**

- Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
- Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

**Boundaries**

- International
- Dzongkhag
- Gewog

**Rivers**

- Main river
- Perennial

**Terrain**

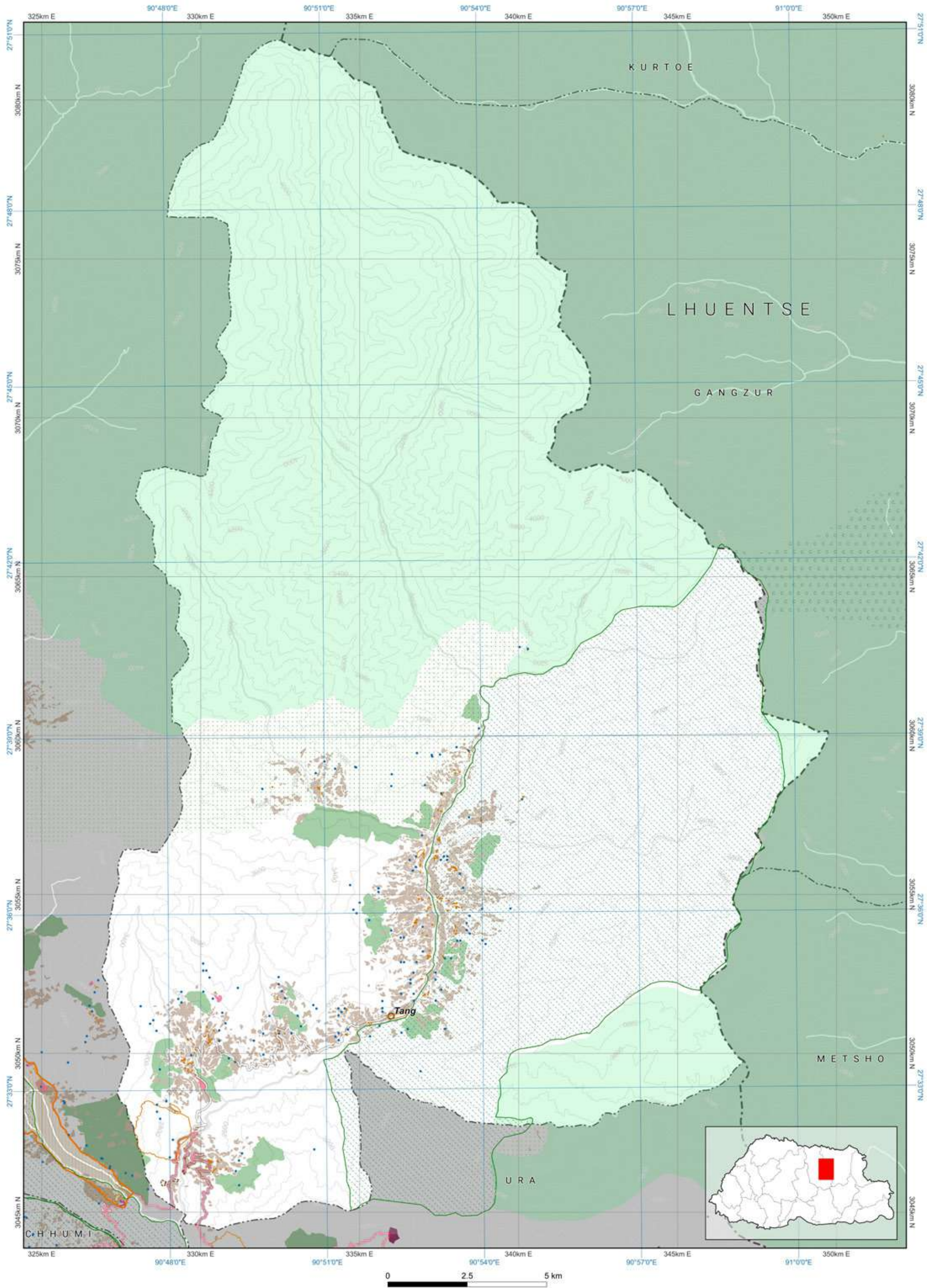
- Contour

### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Bumthang: Tang

## National Land Use Zoning 2023



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## Data Ownership

### Data Owner of the Map Content

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

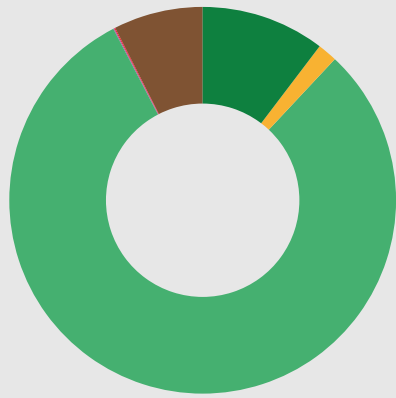
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Tang	1,165	1,153	2,318	101.0	34.0	4.1





Zone Area

Gewog	Ura
Gewog code	104
Gewog area	65442.154
Zone	Area
Agriculture	3141.794
Cultural Heritage	34.031
Industrial	35.882
NCA	33773.428
Rangeland	0
Rural Settlement	690.512
SFMA	4344.482
Urban	0



- Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	35.035	0	0	0	0	0	0
NCA	35.035	0	280.931	0	13.806	0.101	4.098	0
Agriculture	0	280.931	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	13.806	0	0	0	0	0	0
Industrial	0	0.101	0	0	0	0	0	0
Rural Settlement	0	4.098	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	5.875	245.738	35.546	0	0	1.764	14.791	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage Zone	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer	Area
Transmission Line	0
Road	656.662
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

- Agricultural Land**  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land
- Rural Settlement**  
Residential Land  
Institutional Land
- Sustainable Forest Management Area**  
Forest Management Unit  
Community Forest
- Cultural Heritage**  
Religious Sites  
Heritage Village  
Heritage Conservation Zone
- Urban**  
Urban Zone
- Nature Conservation Area**  
**Protected Area**  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park
- Wetland**  
Ramsar Site
- Hazard and Risk**  
Rain Induced Flood  
Glacier Lake Outburst Flood  
Right Of Way / Buffer
- Other Effective Area-based Conservation Measures**  
Key Biodiversity Area  
High Conservation Value
- Rangeland**  
Tsamdro
- Significant Watershed**  
Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources
- Industrial**  
Manufacturing and Production  
Service  
Existing mines  
Airport  
Helipad  
Hydro Power Plants  
Hydro Power Waterways

Basemap

- Boundaries**  
International  
Dzongkhag  
Gewog
- Rivers**  
Main river  
Perennial
- Terrain**  
Contour
- Roads for different map scales**  
Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

Data Ownership

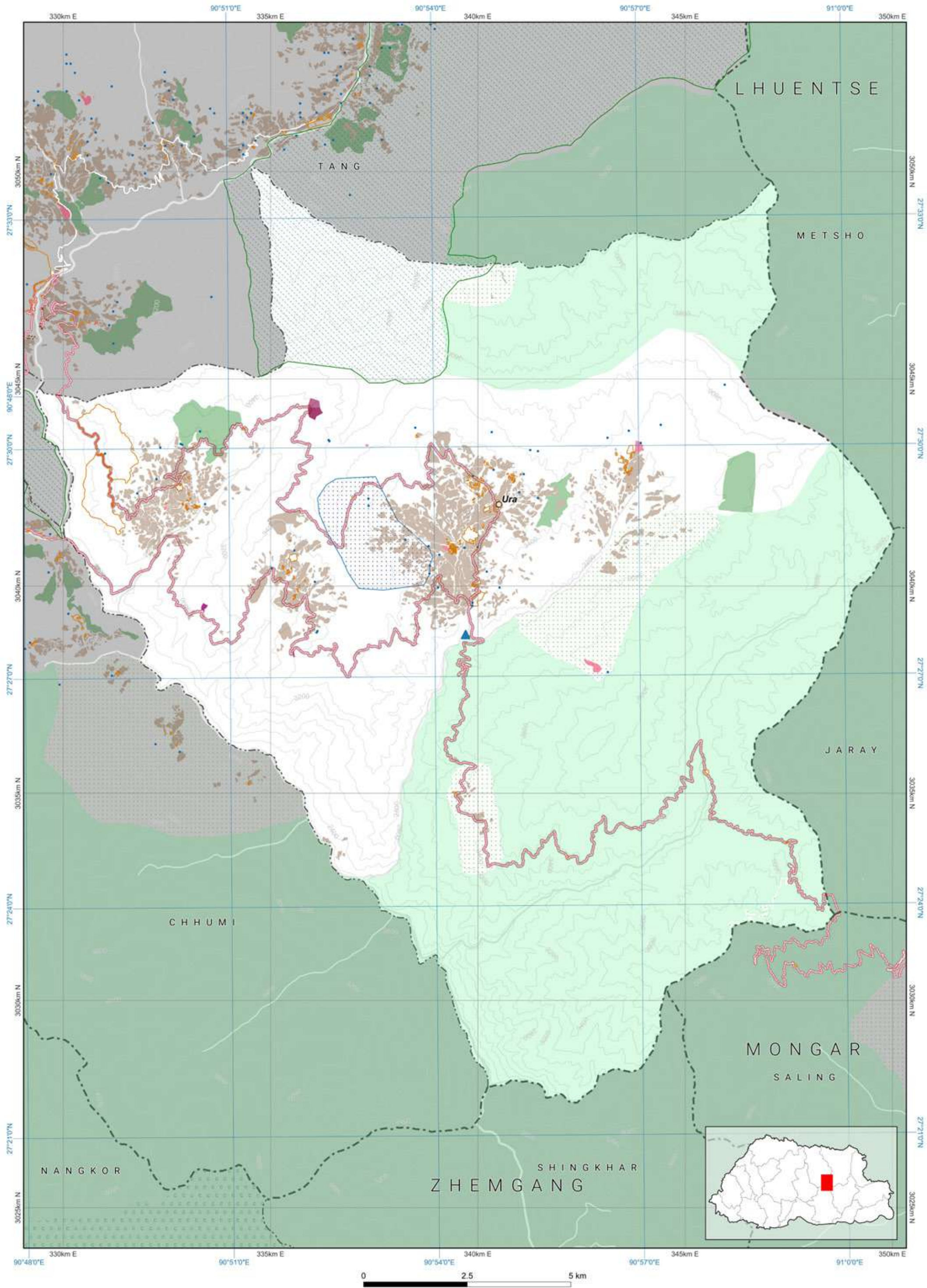
Data Owner of the Map Content
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Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Ura	871	853	1,724	102.1	26.7	379
						3.9

Bumthang: Ura

National Land Use Zoning 2023



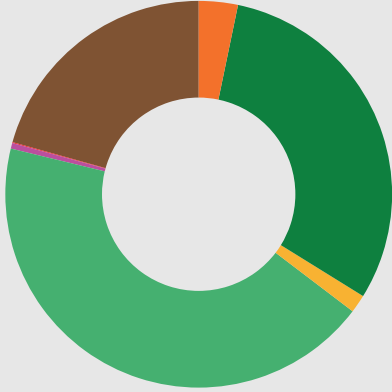
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Zone Area

Dzongkhag	Chhukha
Dzongkhag code	02
Dzongkhag area	465731.083
Zone	Area
Agriculture	29475.07
Culture	104.627
Industrial	679.469
NCA	62011.375
Rangeland	0
Rural Settlement	2173.377
SFMA	43617.141
Urban	4662.645



All areas are in Acres.



Zone Conflict

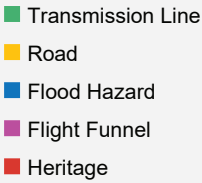
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	102.249	0.00	3.244	2.183	0.17	31.755	0
NCA	102.249	0	64.44	6.39	0	0.1	8.44	0
Agriculture	1,357.47	64.44	0	21.086	0.034	0	0.001	0
Urban	3.244	6.39	21.086	0	32.193	4.425	310.843	0
Culture	2.183	0	0.034	32.193	0	0	12.304	0
Industrial	0.17	0.1	2.245	4.425	0	0	0	0
Rural Settlement	31.755	8.44	0.001	310.843	12.304	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	134.207	3.059	431.196	80.285	1.475	7.578	43.945	0
Road	58.317	0.193	89.927	0	0.505	2.669	21.404	0
Flood Hazard	0.000	0.000	0.000	0	0	0	0	0
Flight Funnel	0	0	0.000	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	2062.543
Road	1788.546
Flood Hazard	0.000
Flight Funnel	0
Heritage	0



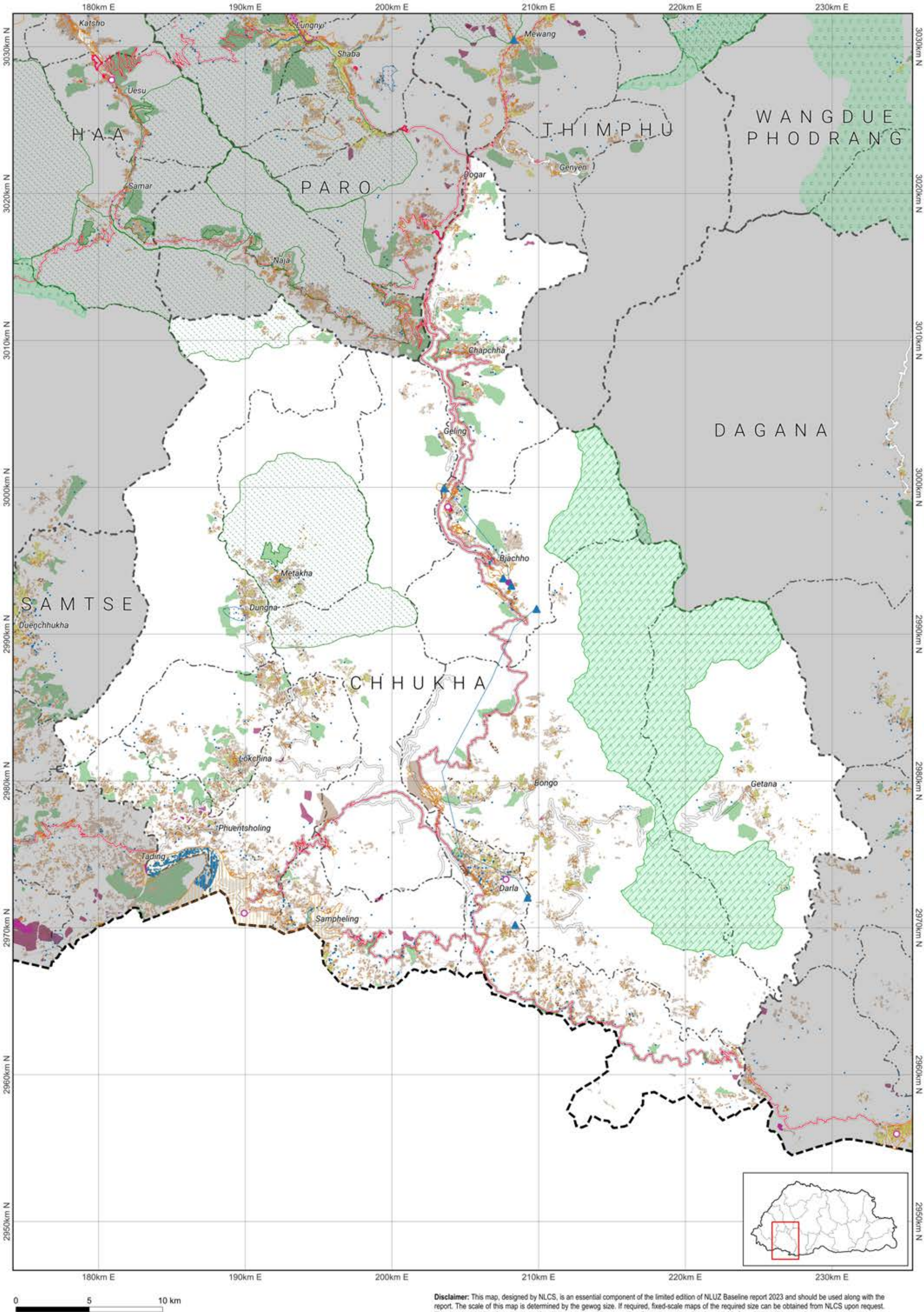
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Chhukha

National Land Use Zoning 2023



Demographic Table

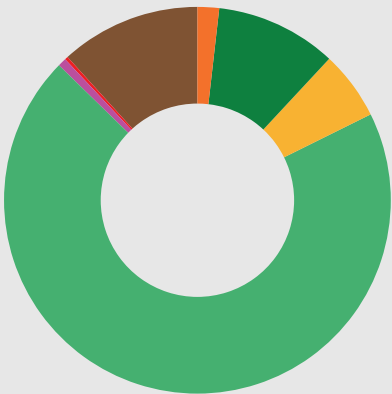
Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Chhukha	36,041	32,925	68,966	109.5	17.1	16,075
						Mean Household size
						3.9



Zone Area

Gewog	Bjachho
Gewog code	202
Gewog area	34980.208

Zone	Area
Agriculture	1233.769
Cultural Heritage	27.962
Industrial	75.239
NCA	7326.296
Rangeland	0
Rural Settlement	604.285
SFMA	1065.816
Urban	190.205



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	9.088	0.034	0	0	0
Urban	0	0	9.088	0	25.167	3.184	120.5	0
Culture	0	0	0.034	25.167	0	0	12.304	0
Industrial	0	0	0	3.184	0	0	0	0
Rural Settlement	0	0	0	120.5	12.304	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	55.813	1.553	0.308	7.578	17.969	0
Road	9.668	0	24.363	0	0	0.743	8.503	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	257.391
Road	267.013
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
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  - Forest Management Unit
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- Cultural Heritage
  - Religious Sites
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  - Heritage Conservation Zone
- Urban
  - Urban Zone
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  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
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    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Demographic Table

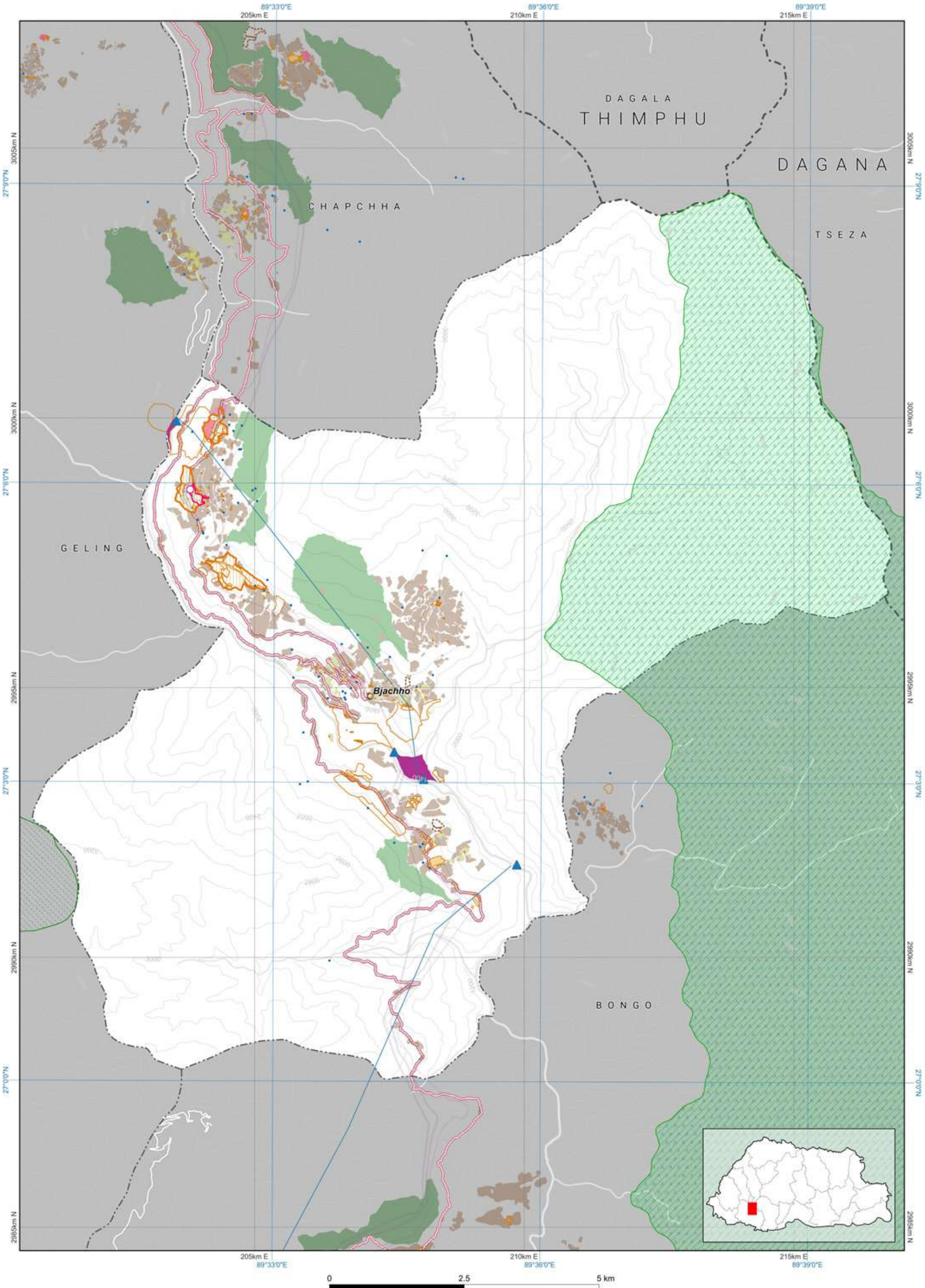
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Bjachho	1,523	1,364	2,887	111.7	14.2	708
Tsimasham Town	1,125	1,010	2,135	111.4	12.9	484
Chhukha Town	871	971	1,842	89.7	5.3	483

Data Ownership

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Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development Ministry of Home Affairs
Department of Air Transport Ministry of Infrastructure and Transport
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Chhukha: Bjachho

National Land Use Zoning 2023



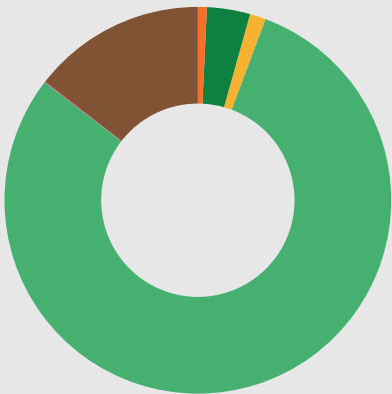
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Zone Area

Gewog	Bongo
Gewog code	203
Gewog area	98417.99
Zone	Area
Agriculture	5329.007
Cultural Heritage	18.559
Industrial	12.708
NCA	29355.754
Rangeland	0
Rural Settlement	489.604
SFMA	1327.437
Urban	275.843



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	1.091	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	10.274	0	0	0	0
Urban	1.091	0	10.274	0	7.025	0.304	190.223	0
Culture	0	0	0	7.025	0	0	0	0
Industrial	0	0	0	0.304	0	0	0	0
Rural Settlement	0	0	0	190.223	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	46.298	0	35.294	5.898	0	0	4.771	0
Road	0	0	8.406	0	0.034	0	0.508	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	288.125
Road	156.416
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
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  - Forest Management Unit
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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
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  - Protected Area
    - Core Zone
    - Transision Zone
    - Buffer Zone
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    - Ramsar Site
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    - Helipad
    - Hydro Power Plants
    - Hydro Power Waterways

**Basemap**

  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
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    - Thromde 25k
    - Thromde 5k
    - Access 5k
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Data Ownership

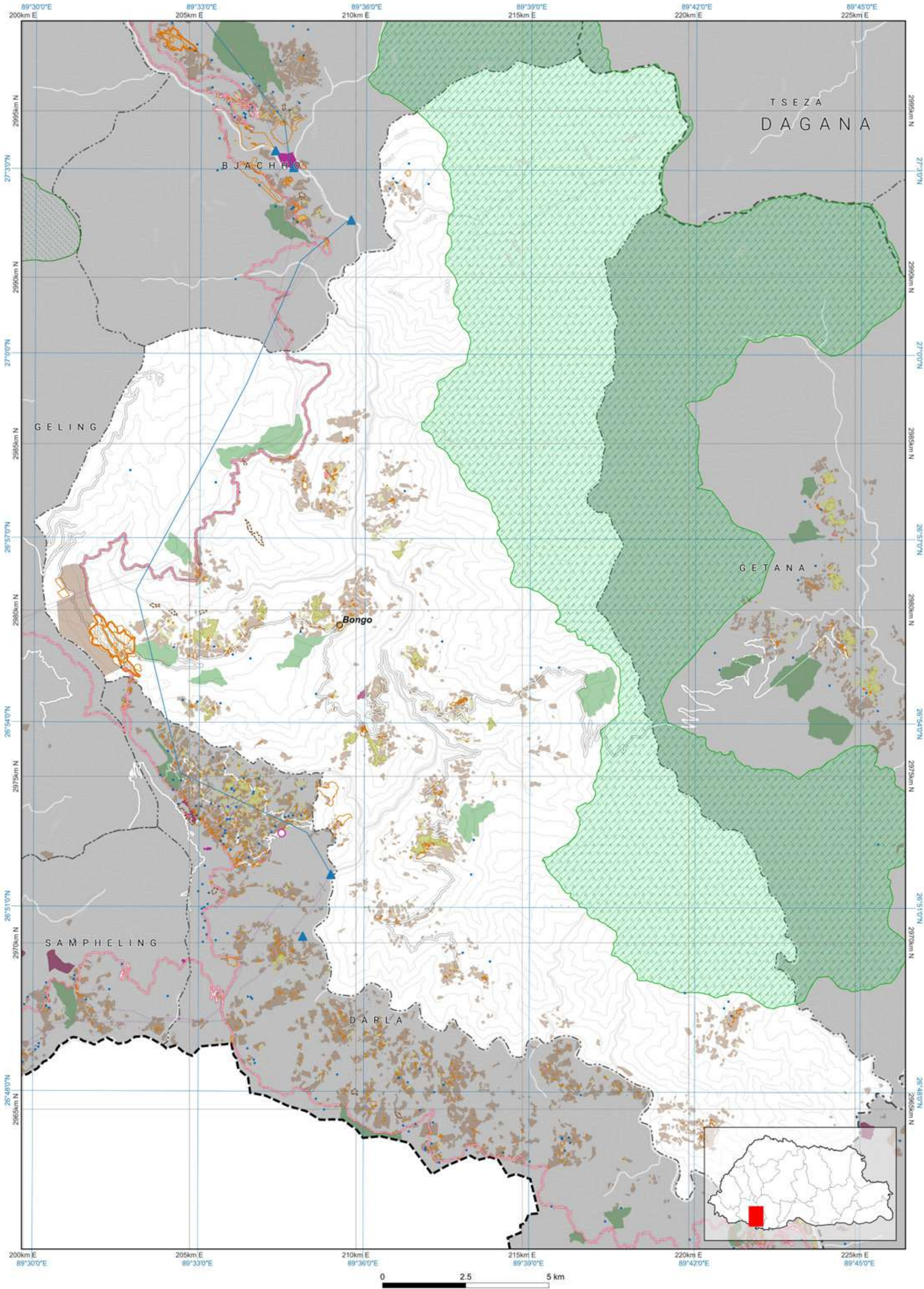
Data Owner of the Map Content
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Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Bongo	1,758	1,905	3,663	92.3	28.7	786
Gedu Town	1,437	1,412	2,849	101.8	11.2	461

Chhukha: Bongo

National Land Use Zoning 2023



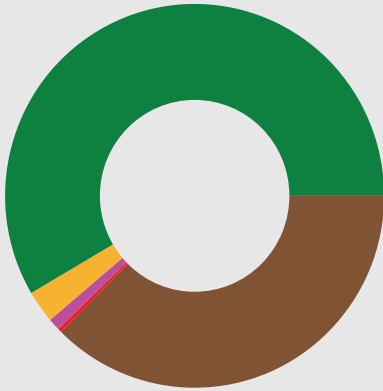
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## Zone Area

Gewog	Chapchha
Gewog code	204
Gewog area	31999.197
Zone	Area
Agriculture	2009.02
Cultural Heritage	18.569
Industrial	54.724
NCA	0
Rangeland	0
Rural Settlement	147.593
SFMA	3136.738
Urban	0



All areas are in Acres.

■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	65.011	0	43.308	0	0.03	0	1.709	0
Road	23.812	0	26.905	0	0	0	4.443	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	329.056
Road	456.631
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

### National Land Use Zoning

■ Agricultural Land  
■ Kamzhing  
■ Protected Chhuzhing  
■ Regulated Chhuzhing  
■ Lease Land  
■ Rural Settlement  
■ Residential Land  
■ Institutional Land  
■ Sustainable Forest Management Area  
■ Forest Management Unit  
■ Community Forest

### Cultural Heritage

■ Religious Sites  
■ Heritage Village  
■ Heritage Conservation Zone  
■ Urban  
■ Urban Zone

### Nature Conservation Area

■ Protected Area  
■ Core Zone  
■ Transition Zone  
■ Buffer Zone  
■ Multi Use Zone  
■ Biological Corridor / Botanical Park  
■ Wetland  
■ Ramsar Site

### Hazard and Risk

■ Rain Induced Flood  
■ Glacier Lake Outburst Flood  
■ Right Of Way / Buffer  
■ Heritage  
■ Road  
■ Powerlines  
■ Flight Funnel

### Other Effective Area-based Conservation Measures

■ Key Biodiversity Area  
■ High Conservation Value  
■ Rangeland  
■ Tsamdro

### Significant Watershed

■ Potential Recharge Area  
■ Payment for Ecosystem Services  
■ Water Sources

### Industrial

■ Manufacturing and Production  
■ Service  
■ Existing mines  
■ Airport  
■ Helipad  
■ Hydro Power Plants  
■ Hydro Power Waterways

### Basemap

■ Boundaries  
■ International  
■ Dzongkhag  
■ Gewog

■ Rivers  
■ Main river  
■ Perennial

■ Terrain  
■ Contour

■ Roads for different map scales  
■ Highway 300k  
■ Highway 50k  
■ Highway 25k  
■ Highway 5k  
■ Dzongkhag 50k  
■ Dzongkhag 25k  
■ Dzongkhag 5k

■ Thromde 50k  
■ Thromde 25k  
■ Thromde 5k  
■ Access 5k  
■ Industrial 5k  
■ Farm 5k

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Ministry of Energy and Natural Resources

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Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

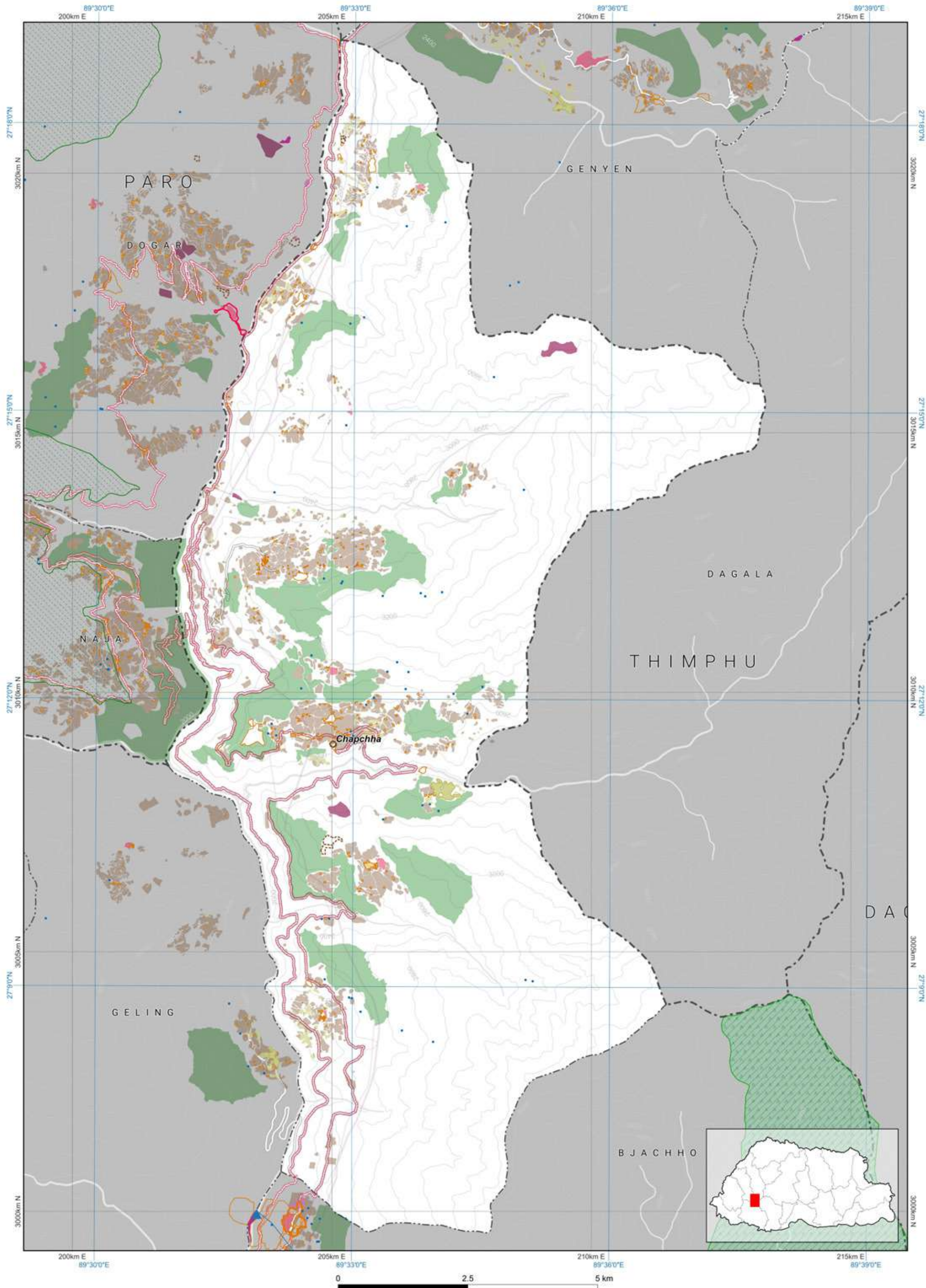
## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Chapchha	1,377	1,280	2,657	107.6	29.6	728

3.4

Chhukha: Chapchha

## National Land Use Zoning 2023



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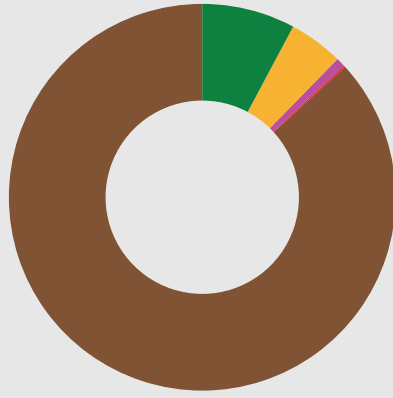
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DARLA

## Zone Area

Gewog	Darla
Gewog code	205
Gewog area	34082.67
Zone	Area
Agriculture	5272.235
Cultural Heritage	8.572
Industrial	47.198
NCA	0
Rangeland	0
Rural Settlement	275.756
SFMA	473.388
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

### Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake
- Outburst Flood
- Right Of Way / Buffer

- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
- Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

#### Boundaries

- International
- Dzongkhag
- Gewog

#### Rivers

- Main river
- Perennial

#### Terrain

- Contour

#### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	34.270	0	0	0	0.262	0
Road	18.878	0	14.423	0	0	0.044	4.579	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	151.782
Road	415.337
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Darla	3,798	3,706	7,504	102.5	19.7	1,749	4.1
Darla Town	496	541	1,037	91.7	13.6	266	3.9

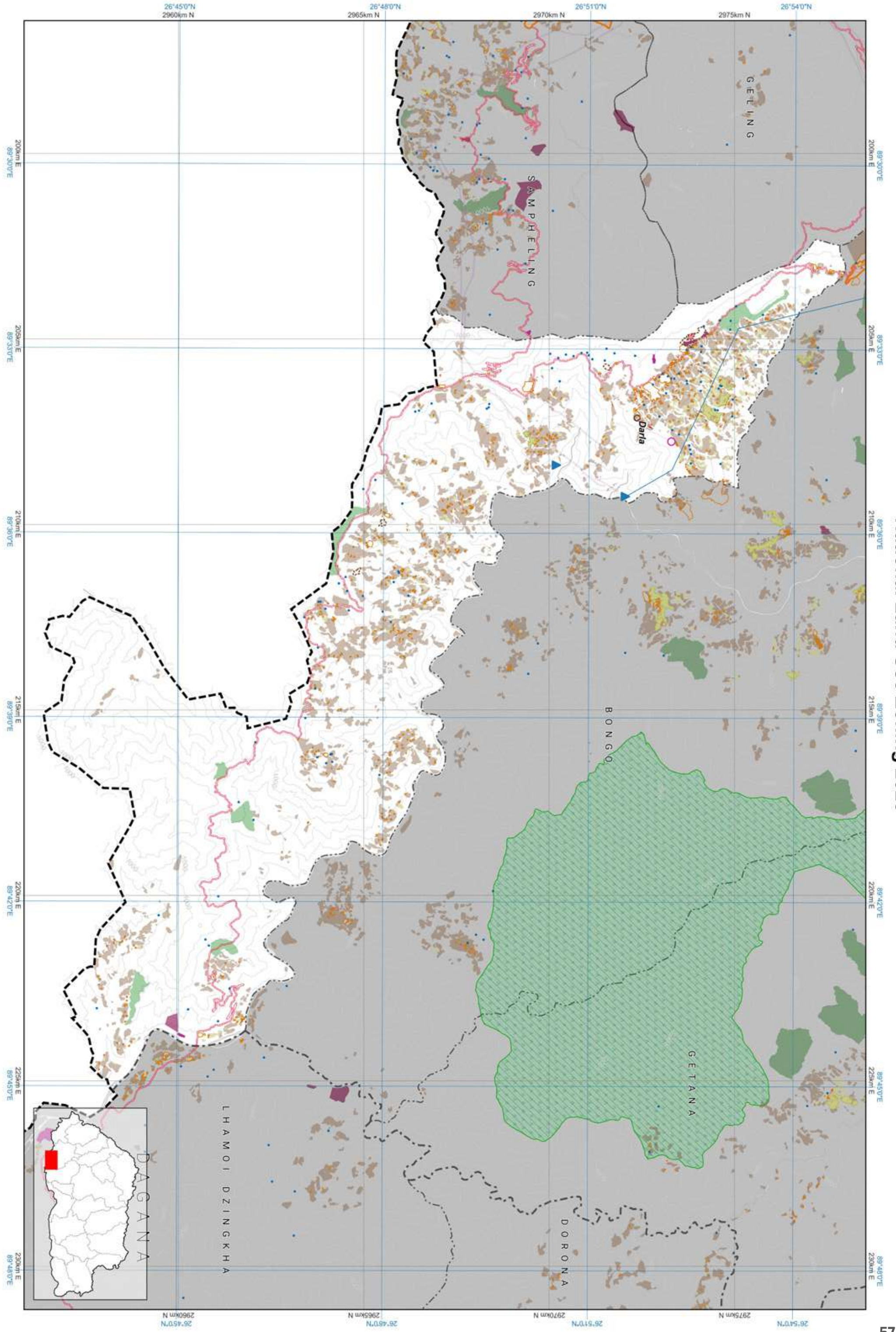
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Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

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0 1.25 2.5 km

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Chhukha: Darla

National Land Use Zoning 2023

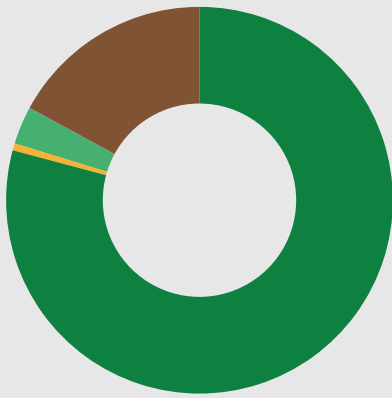




DUNGNA

## Zone Area

Gewog	Dungna
Gewog code	206
Gewog area	50036.015
Zone	Area
Agriculture	1363.273
Cultural Heritage	2.395
Industrial	0.1
NCA	252.093
Rangeland	0
Rural Settlement	46.844
SFMA	6322.101
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

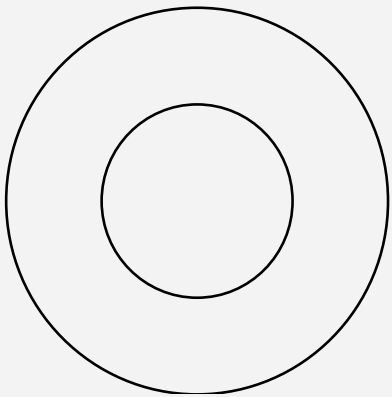
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	49.635	114.157		2.05	0	3.669	0
NCA	49.635		11.318	0	0	0	7.416	0
Agriculture	114.157	11.318	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	2.05	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	3.669	7.416	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

### Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
- Biological Corridor / Botanical Park

### Wetland

- Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
- Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

#### Boundaries

- International
- Dzongkhag
- Gewog

#### Rivers

- Main river
- Perennial

#### Terrain

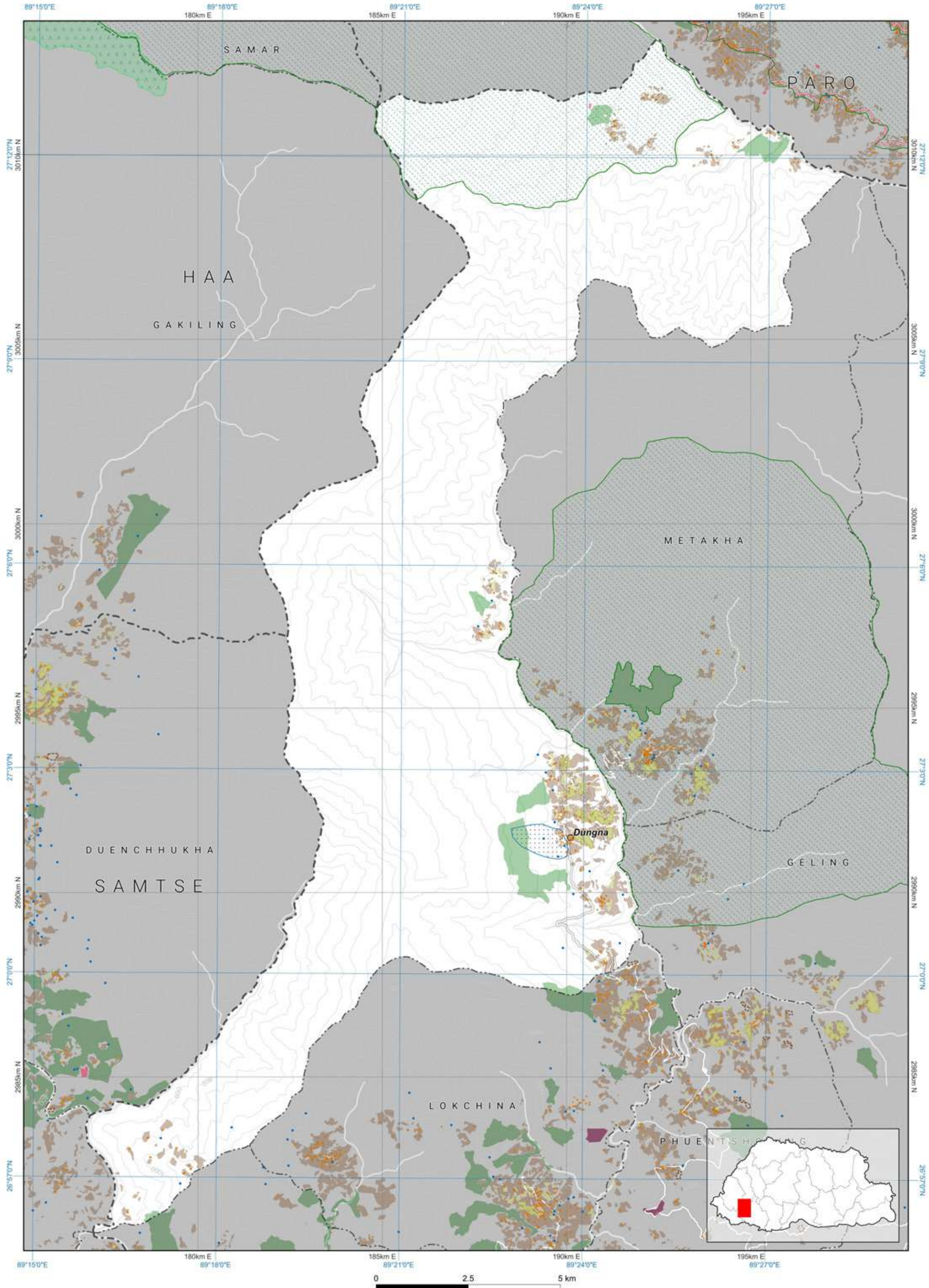
- Contour

#### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Chhukha: Dungna

## National Land Use Zoning 2023



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Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population			Sex ratio	Aging Index
	Male	Female	Total		
Dungna	554	537	1,091	103.2	24.6

223

4.8

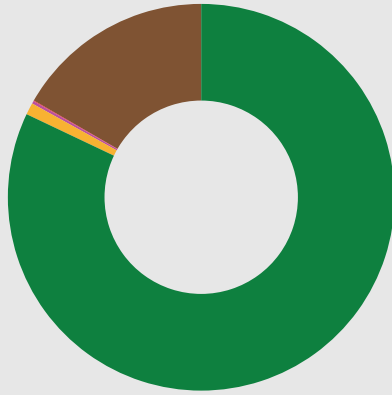


GELING

## Zone Area

Gewog	Geling
Gewog code	207
Gewog area	54631.833

Zone	Area
Agriculture	1477.315
Cultural Heritage	4.719
Industrial	20.41
NCA	0
Rangeland	0
Rural Settlement	88.078
SFMA	7278.296
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	280.286	0	0	0.12	0.494	0
NCA	0	0	0	0	0	0	0	0
Agriculture	280.286	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0.12	0	0	0	0	0	0	0
Rural Settlement	0.494	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	10.162	0	0	0	3.194	0
Road	0	0	1.369	0	0.181	0.184	0.357	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	177.731
Road	122.947
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

### Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

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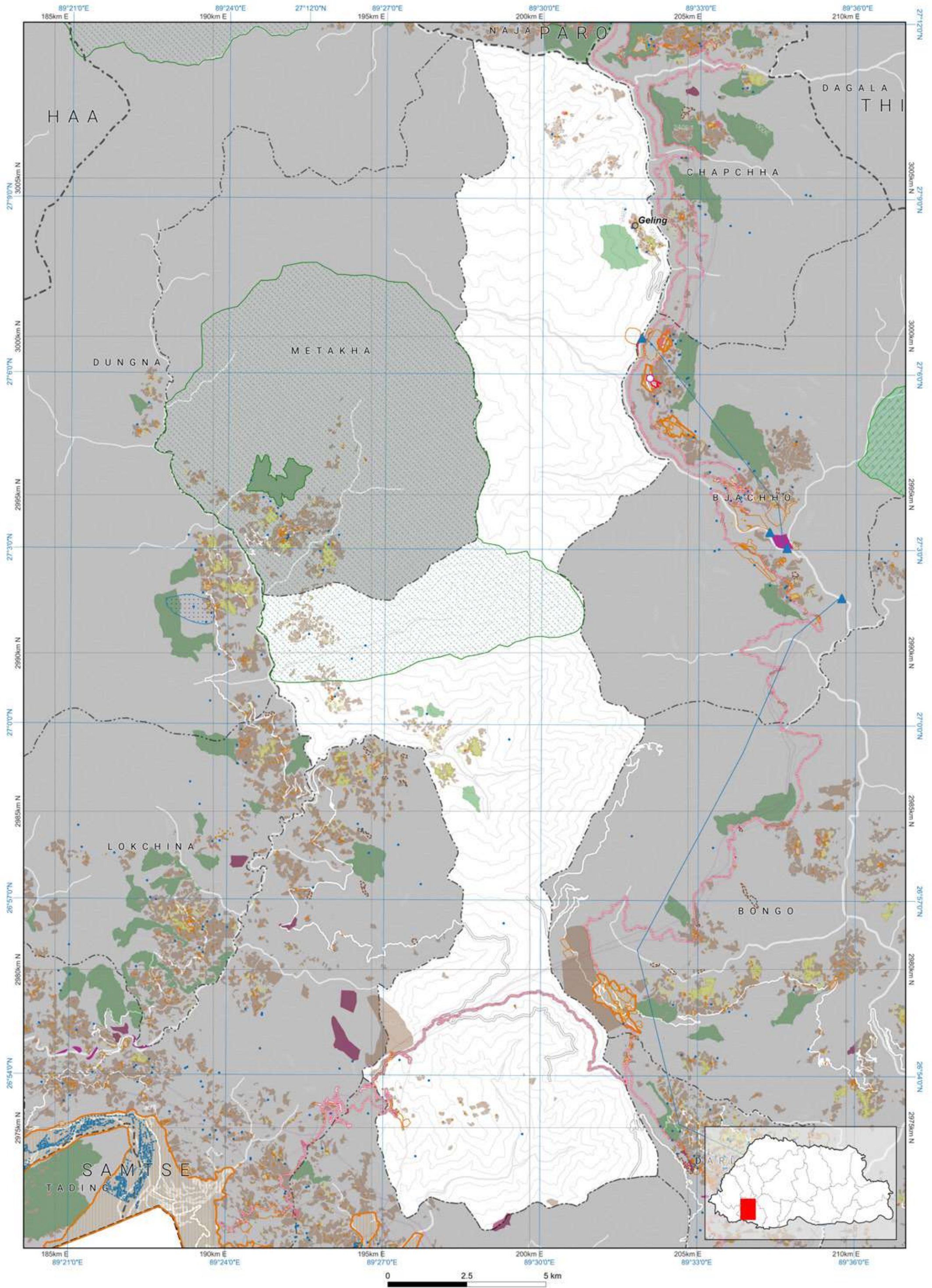
## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)

Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Geling	853	756	1,609	112.8	18.5	295	4

Chhukha: Geling

## National Land Use Zoning 2023



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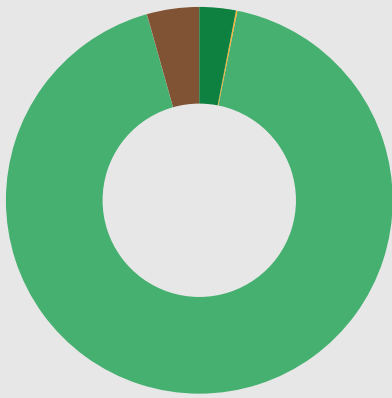




Zone Area

Gewog	Getana
Gewog code	208
Gewog area	59708.214

Zone	Area
Agriculture	1180.679
Cultural Heritage	4.309
Industrial	0.15
NCA	25018.085
Rangeland	0
Rural Settlement	33.761
SFMA	822.29
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	52.005	0	0	0.1	0.871	0
Agriculture	0	52.005	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0.1	0	0	0	0	0	0
Rural Settlement	0	0.871	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0.159	0.643	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	5.592
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Getana	392	428	820	91.6	24.3	157

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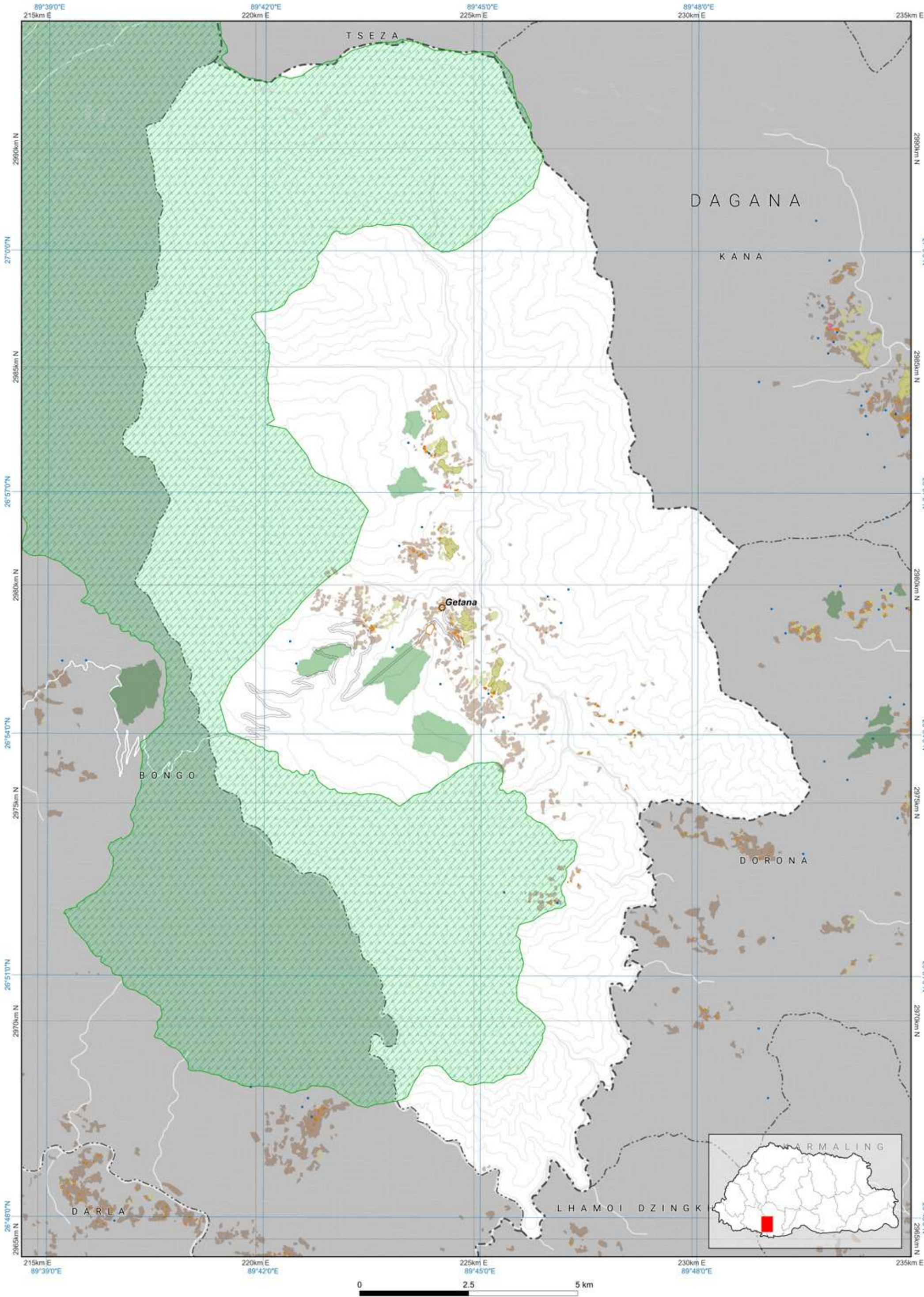
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
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    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Chhukha: Getana

National Land Use Zoning 2023



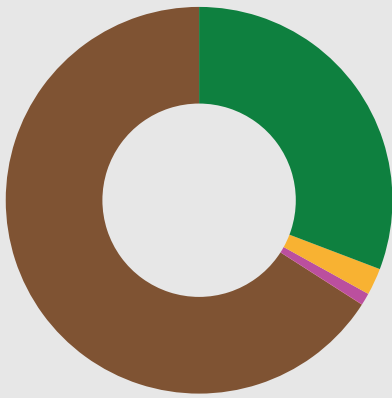
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Zone Area

Gewog	Lokchina
Gewog code	209
Gewog area	17874.487
Zone	Area
Agriculture	2811.374
Cultural Heritage	0.867
Industrial	43.017
NCA	0
Rangeland	0
Rural Settlement	96.188
SFMA	1313.22
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

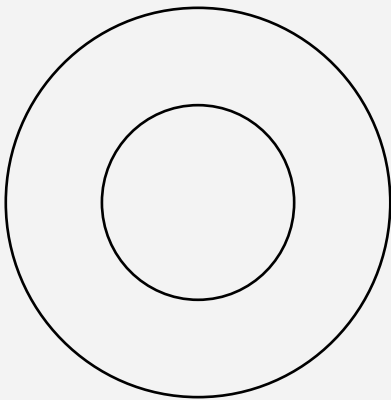
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Lokchina	1,386	1,308	2,694	106.0	19.0	550

Data Ownership

Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

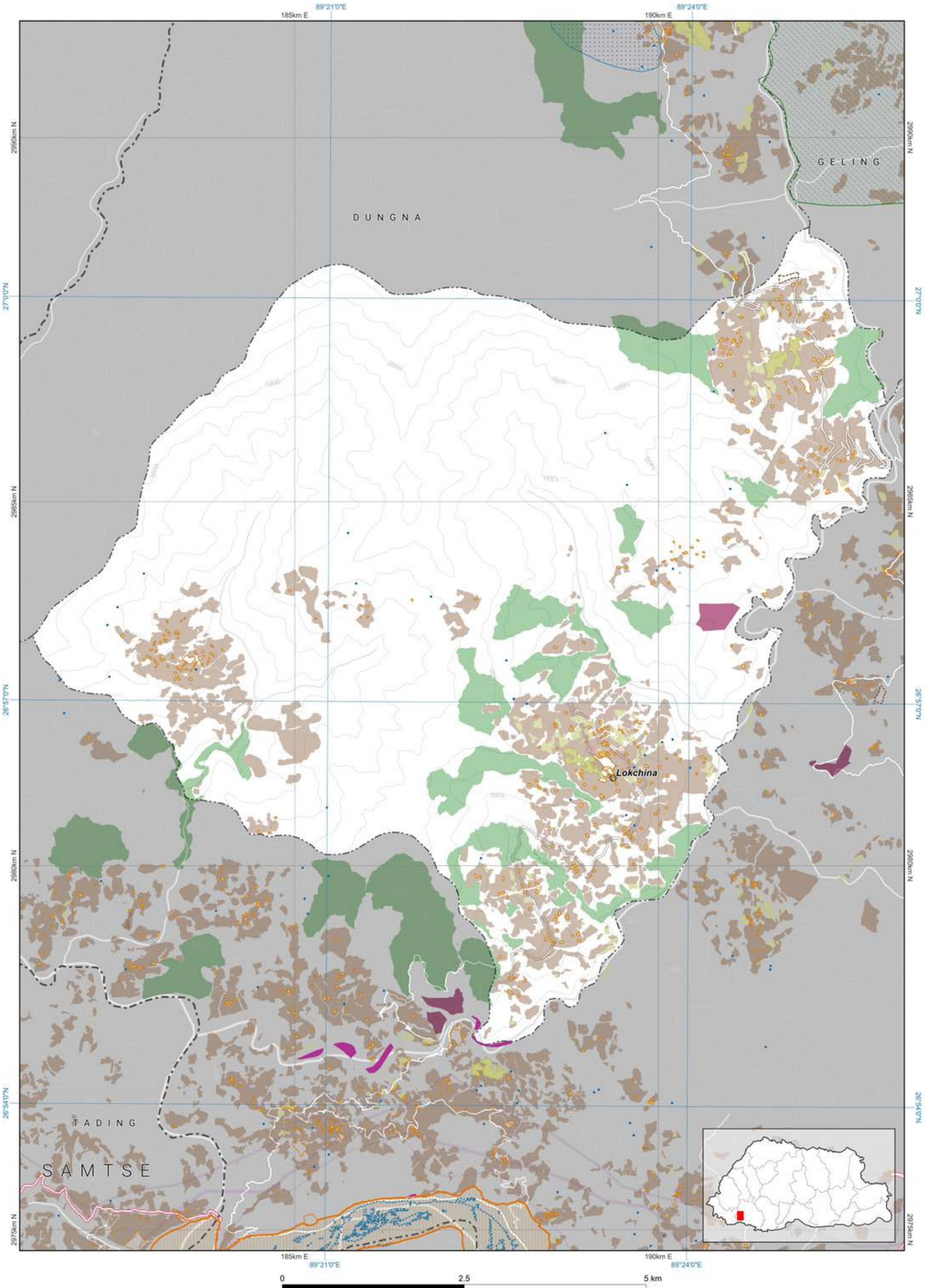
Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

National Land Commission Secretariat

Chhukha: Lokchina

National Land Use Zoning 2023



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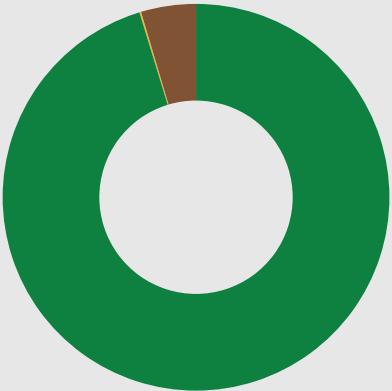
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



Zone Area

Gewog	Metakha
Gewog code	210
Gewog area	32080.063

Zone	Area
Agriculture	962.991
Cultural Heritage	0.132
Industrial	0.05
NCA	0
Rangeland	0
Rural Settlement	27.591
SFMA	19966.19
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

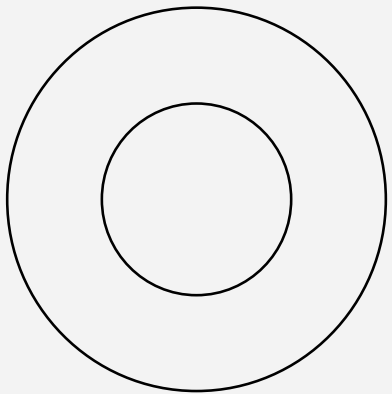
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	962.912		0.132	0.05	27.589	0
NCA	0	0	0	0	0	0	0	0
Agriculture	962.912	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0.132	0	0	0	0	0	0	0
Industrial	0.05	0	0	0	0	0	0	0
Rural Settlement	27.589	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
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  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Data Ownership

Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

National Land Commission Secretariat

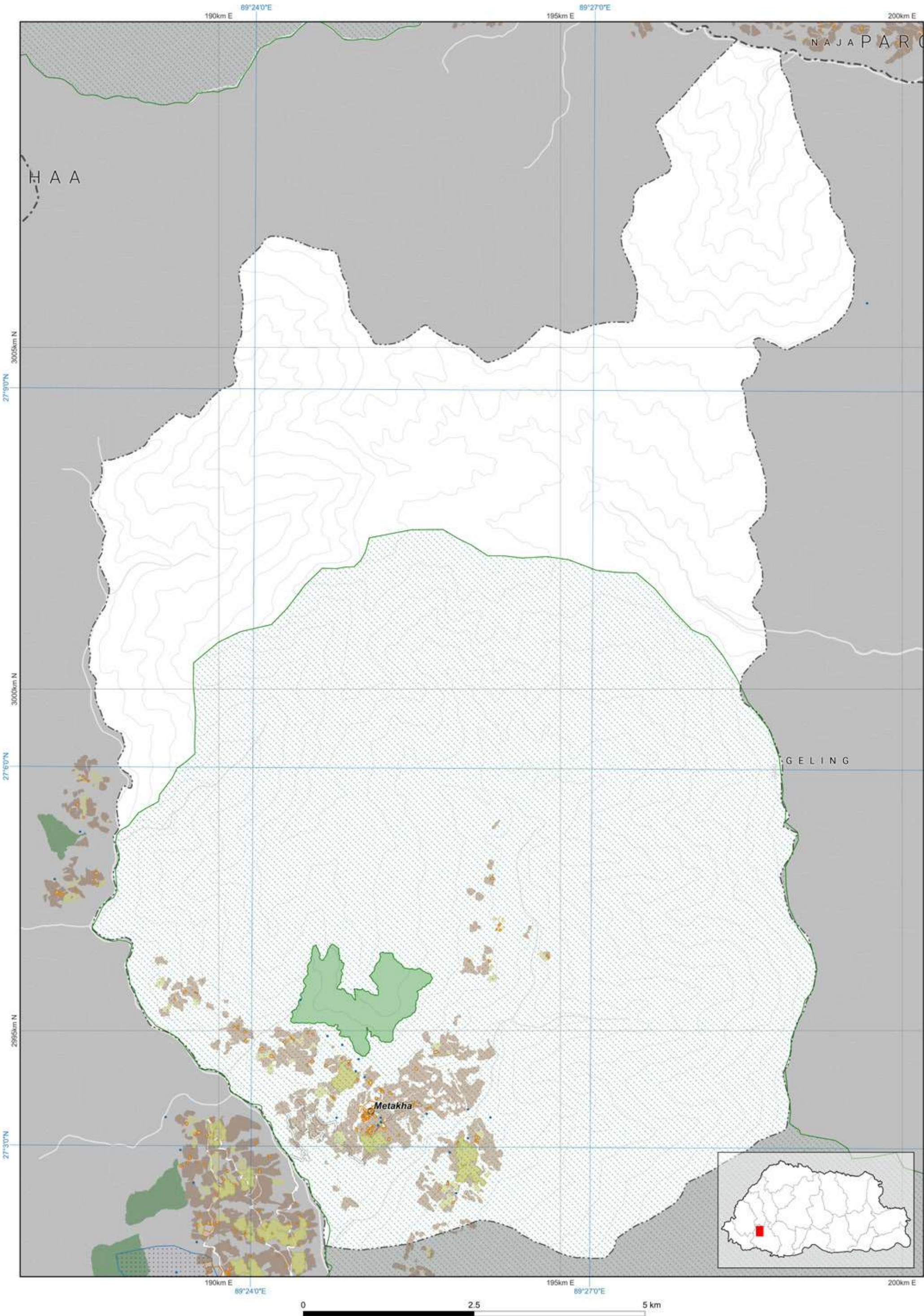
Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)

Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Metakha	322	335	657	96.1	21.6	125	5.3

Chhukha: Metakha

National Land Use Zoning 2023



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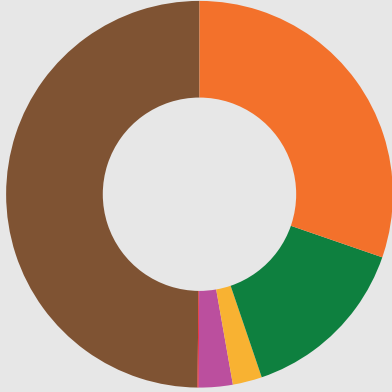
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Zone Area

Gewog Phuentsholing	
Gewog code	211
Gewog area	33363.627
Zone Area	
Agriculture	5219.596
Cultural Heritage	10.186
Industrial	296.725
NCA	0
Rangeland	0
Rural Settlement	256.912
SFMA	1518.004
Urban	3172.327



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0		1.722	0	2.245	0.001	0
Urban	0	0	1.722	0	0	0.937	0.102	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	2.245	0.937	0	0	0	0
Rural Settlement	0	0	0.001	0.102	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0.288	0	109.88	36.913	0.567	0	10.391	0
Road	0.897	0	9.881	0	0.29	0	2.699	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	348.008
Road	128.953
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Phuentsholing	2,991	2,795	5,786	107.0	21.6	1,279
Phuentsholing Thromde	15,052	12,606	27,658	119.4	12.2	6,817

**Disclaimer:**  
Disclaimer: The demographic statistics provided in the table above for Phuentsholing thromde encompass not only the area falling under the Phuentsholing gewog but also include the demographic statistics of the town area falling under the Sampheling and Tading gewog. The same statistics for Phuentsholing thromde can be found under the Sampheling and Tading gewog.

Map Legend

- National Land Use Zoning**
  - Agricultural Land
    - Kamzhing
    - Protected Chhuzhing
    - Regulated Chhuzhing
    - Lease Land
  - Rural Settlement
    - Residential Land
    - Institutional Land
  - Sustainable Forest Management Area
    - Forest Management Unit
    - Community Forest
  - Cultural Heritage
    - Religious Sites
    - Heritage Village
    - Heritage Conservation Zone
  - Urban
    - Urban Zone
  - Nature Conservation Area
    - Protected Area
      - Core Zone
      - Transition Zone
      - Buffer Zone
      - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake Outburst Flood
    - Right Of Way / Buffer
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  - Road
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- Basemap**
  - Boundaries**
    - International
    - Dzongkhag
    - Gewog
  - Rivers**
    - Main river
    - Perennial
  - Terrain**
    - Contour
  - Roads for different map scales**
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
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    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

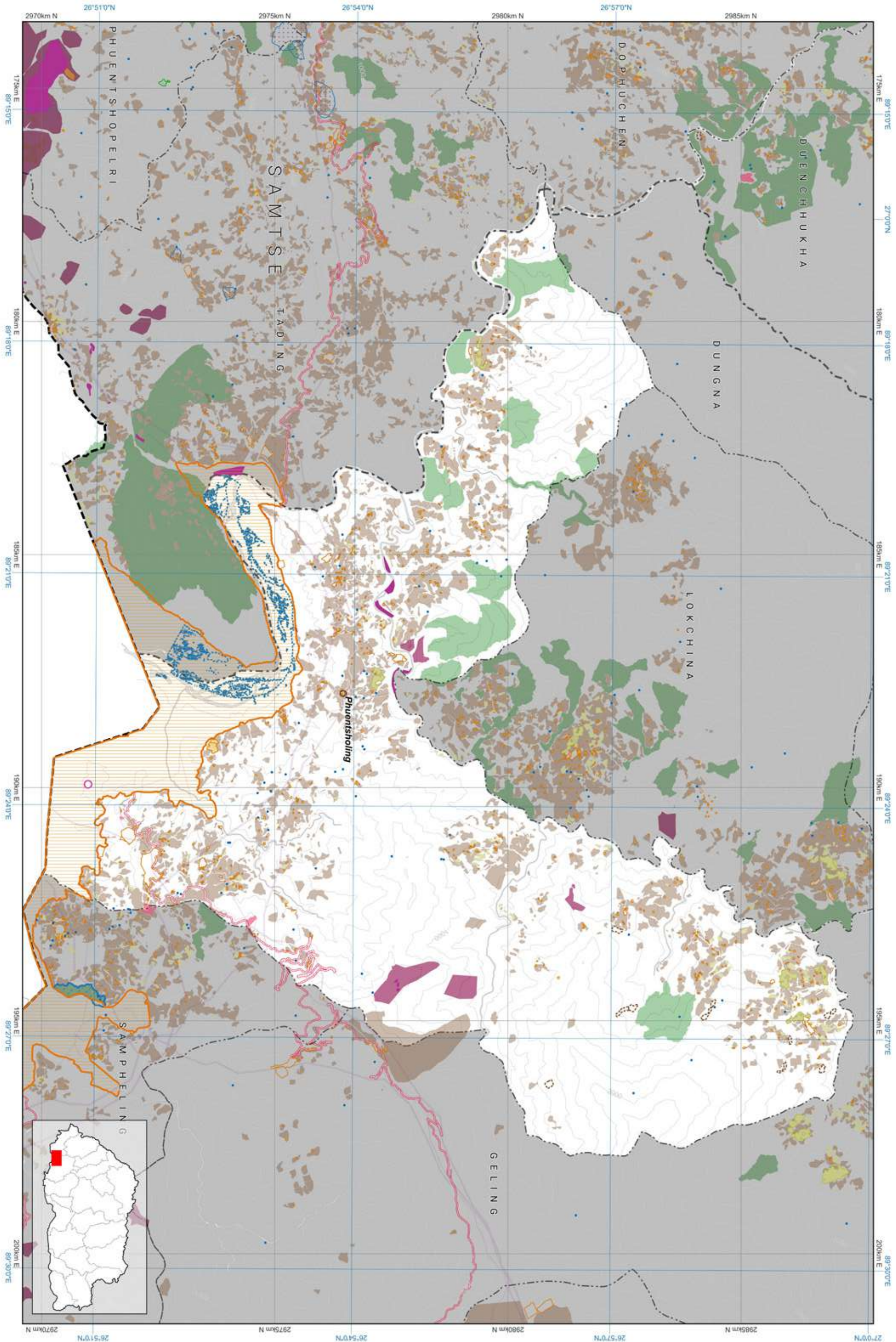
Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Air Transport Ministry of Infrastructure and Transport
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Centre for Hydrology and Meteorology
National Land Commission Secretariat

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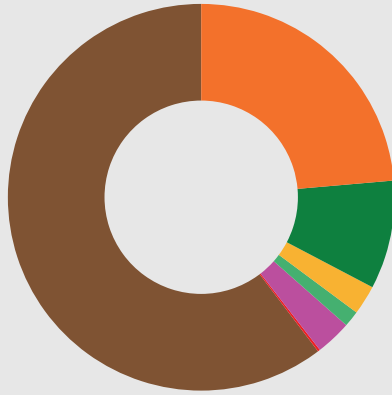




## Zone Area

Gewog	Samphelung
Gewog code	201
Gewog area	18531.491

Zone	Area
Agriculture	2615.813
Cultural Heritage	8.357
Industrial	129.147
NCA	58.147
Rangeland	0
Rural Settlement	106.764
SFMA	393.664
Urban	1024.27



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	52.605		2.153	0	0	0	0
NCA	52.605		1.117	6.389	0	0	0.152	0
Agriculture	0	1.117		0.001	0	0		0
Urban	2.153	6.389	0.001		0	0	0.001	0
Culture	0	0	0	0		0	0	0
Industrial	0	0	0	0	0		0	0
Rural Settlement	0	0.152	0	0.001	0	0		0
Rangeland	0	0	0	0	0	0	0	

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	12.942	3.059	142.470	35.921	142.47	0	5.649	0
Road	14.73	0.193	4.580	0	0	1.698	0.316	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	510.45
Road	241.249
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

## National Land Use Zoning

Agricultural Land

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

## Rural Settlement

- Residential Land
- Institutional Land

## Sustainable Forest Management Area

- Forest Management Unit
- Community Forest

## Cultural Heritage

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

## Urban

- Urban Zone

## Nature Conservation Area

## Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

## Wetland

- Ramsar Site

## Hazard and Risk

- Rain Induced Flood
- Glacier Lake
- Outburst Flood
- Right Of Way / Buffer

## Heritage

- Road
- Powerlines
- Flight Funnel

## Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

## Rangeland

- Tsamdro

## Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

## Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

## Basemap

## Boundaries

- International
- Dzongkhag
- Gewog

## Rivers

- Main river
- Perennial

## Terrain

- Contour

## Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Data Ownership

## Data Owner of the Map Content

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Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Geology and Mines  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Human Settlement  
Ministry of Infrastructure and Transport

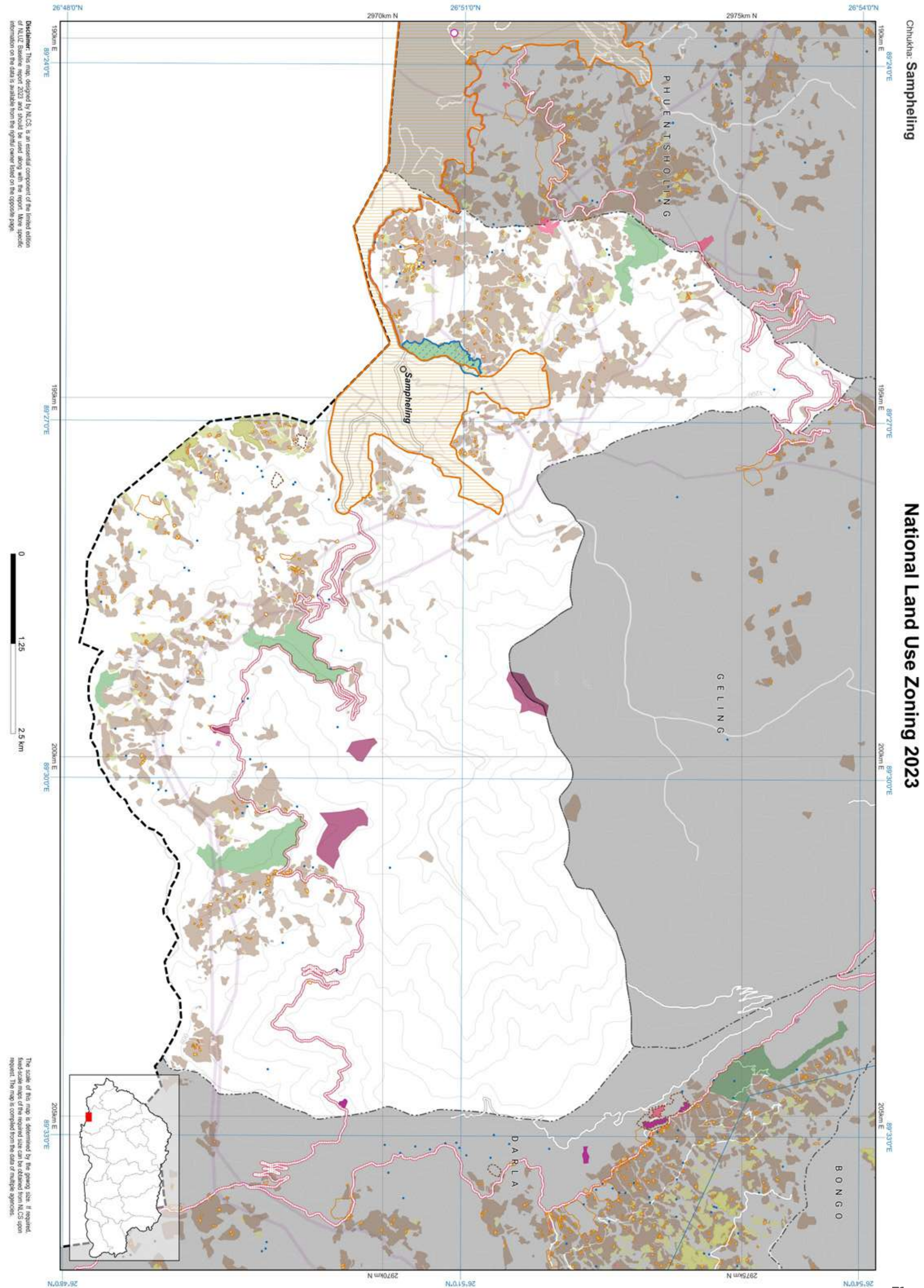
Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Samphelung	2106	1971	4,077	106.8	22.2	964
Phuentsholing Thromde	15,052	12,606	27,658	119.4	12.2	6,817

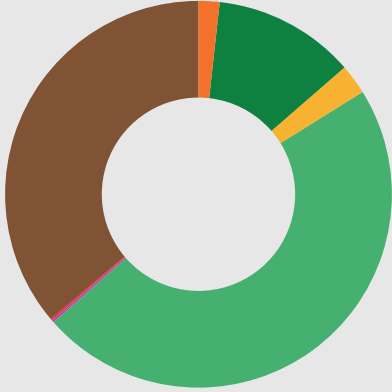
**Disclaimer:**  
Disclaimer: The demographic statistics provided in the table above for Phuentsholing thromde encompass not only the area falling under the Samphelung gewog but also include the demographic statistics of the town area falling under the Phuentsholing and Tading gewog. The same statistics for Phuentsholing thromde can be found under the Phuentsholing and Tading gewog.





Zone Area

Dzongkhag	Dagana
Dzongkhag code	03
Dzongkhag area	425964.272
Zone	Area
Agriculture	25259.189
Culture	86.579
Industrial	166.469
NCA	33067.741
Rangeland	0
Rural Settlement	1753.469
SFMA	8284.965
Urban	1226.594



All areas are in Acres.

Zone Conflict

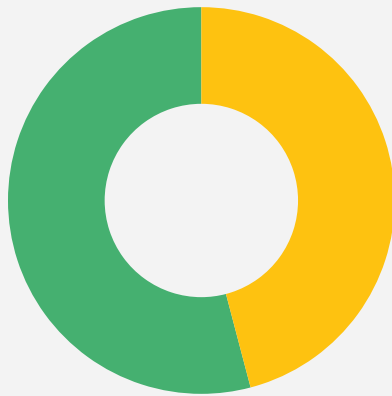
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	11.429	0.583	0	0	0	0	0
NCA	11.429	0	68.668	0	0.906	0	9.209	0
Agriculture	0.583	68.668	0	347.131	0.033	0.021	0	0
Urban	0	0	347.131	0	33.213	0.317	200.073	0
Culture	0	0.906	0.033	33.213	0	0	25.979	0
Industrial	0	0	0.021	0.317	0	0	0	0
Rural Settlement	0	9.209	0	200.073	25.979	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	39.787	21.439	280.624	21.915	0	2.674	4.982	0
Road	47.826	10.214	100.857	0	0.107	0.446	13.044	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	1573.627
Road	1335.276
Flood Hazard	0
Flight Funnel	0
Heritage	0



Transmission Line  
Road  
Flood Hazard  
Flight Funnel  
Heritage

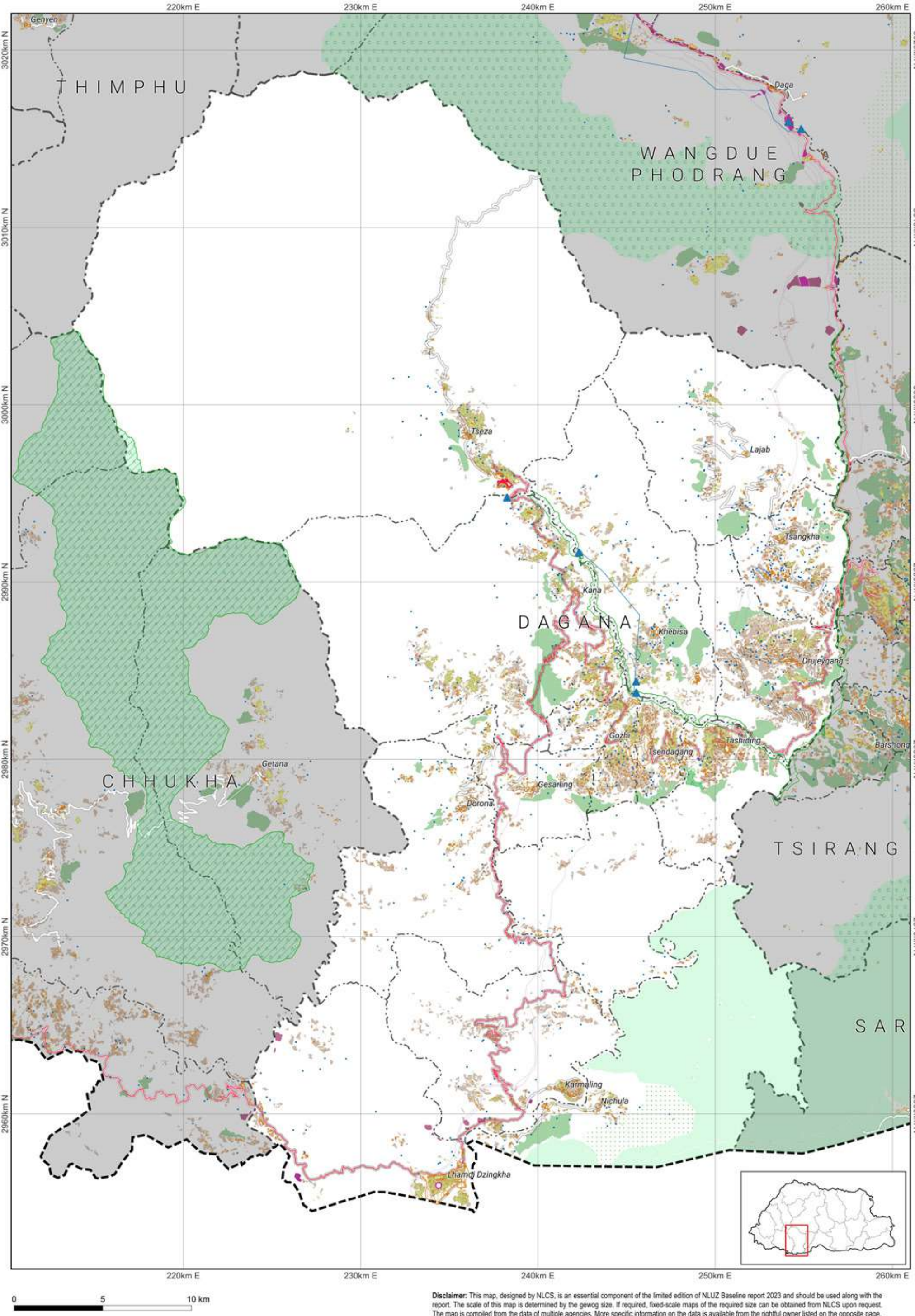
Map Legend

National Land Use Zoning

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  - Kamzhing
  - Protected Chhuzhing
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  - Forest Management Unit
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- Cultural Heritage
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  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
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    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Dagana

National Land Use Zoning 2023



Demographic Table

Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Dagana	12,956	12,009	24,965	107.9	23.7	5,671

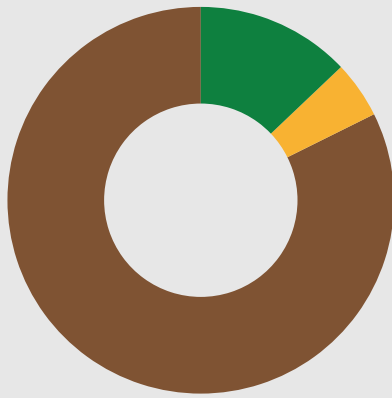




DORONA

## Zone Area

Gewog	Dorona
Gewog code	301
Gewog area	26434.948
Zone	Area
Agriculture	1265.745
Cultural Heritage	0
Industrial	0
NCA	0
Rangeland	0
Rural Settlement	73.223
SFMA	198.346
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	3.886	0	0	0	0	0
Road	0	0	1.225	0	0	0	0.036	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	104.302
Road	93.726
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

Rural Settlement

- Residential Land
- Institutional Land

Sustainable Forest Management Area

- Forest Management Unit
- Community Forest

Cultural Heritage

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

Urban

- Urban Zone

### Nature Conservation Area

Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

Wetland

- Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer

Heritage

- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
- Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

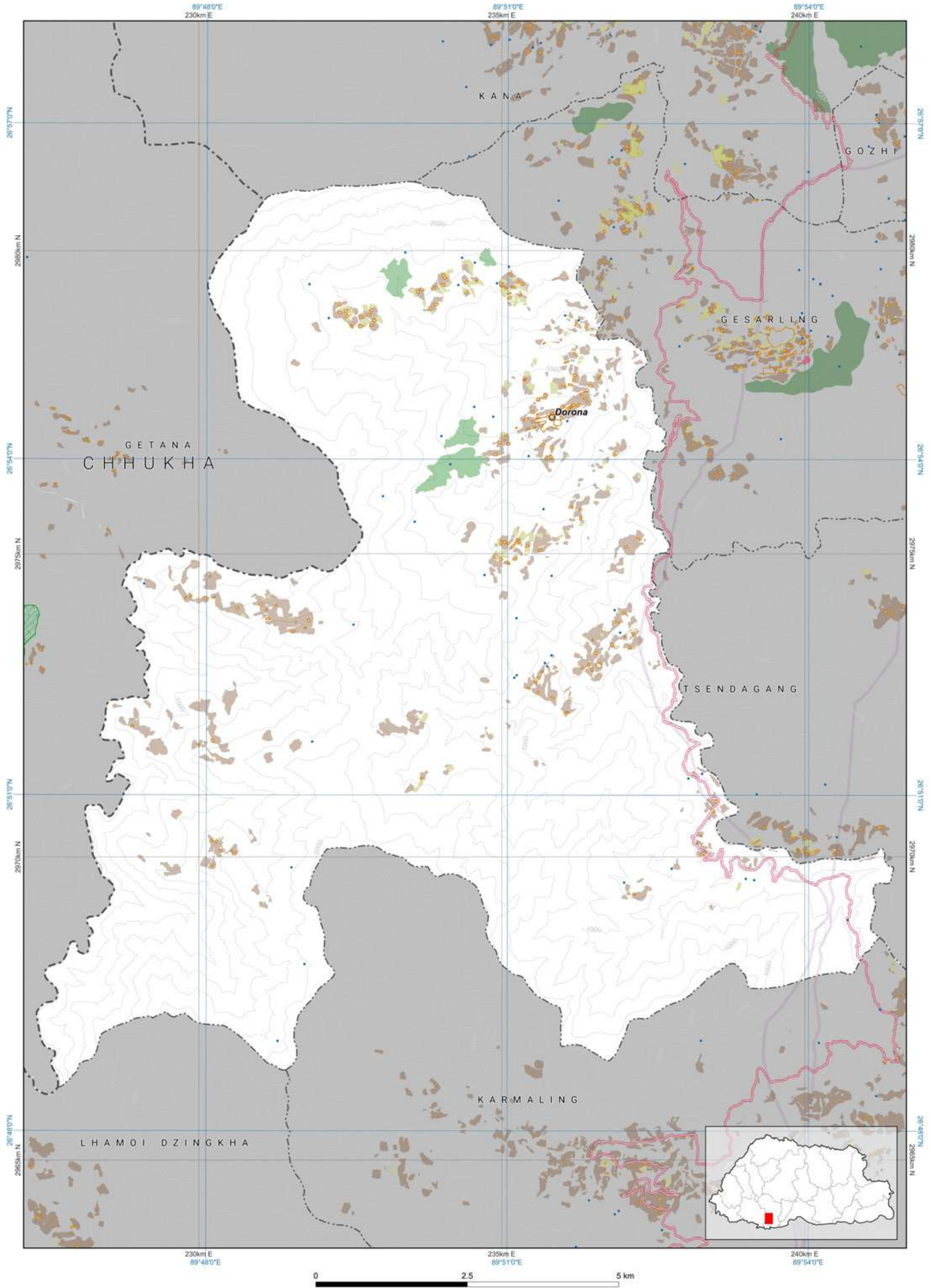
- Contour

### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Dagana: Dorona

## National Land Use Zoning 2023



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The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.

## Data Ownership

### Data Owner of the Map Content

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Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Dorona	415	337	752	123.1	25.0	194
						3.8

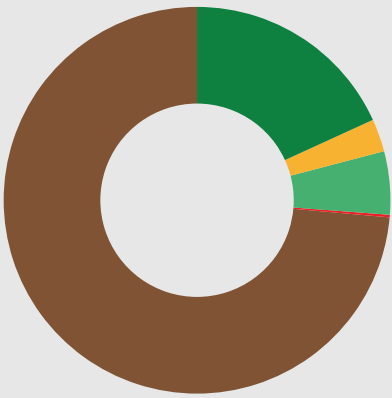




Zone Area

Gewog	Drujeygang
Gewog code	302
Gewog area	14272.369

Zone	Area
Agriculture	4307.333
Cultural Heritage	12.429
Industrial	0.1
NCA	309.095
Rangeland	0
Rural Settlement	160.581
SFMA	1063.898
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0.882	0	0	0	0	0	0
NCA	0.882	0	0.55	0	0	0	0	0
Agriculture	0	0.55	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	28.001	1.535	47.559	0	0	0	0.273	0
Road	5.085	5.82	10.629	0	0	0	1.491	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	165.757
Road	145.74
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

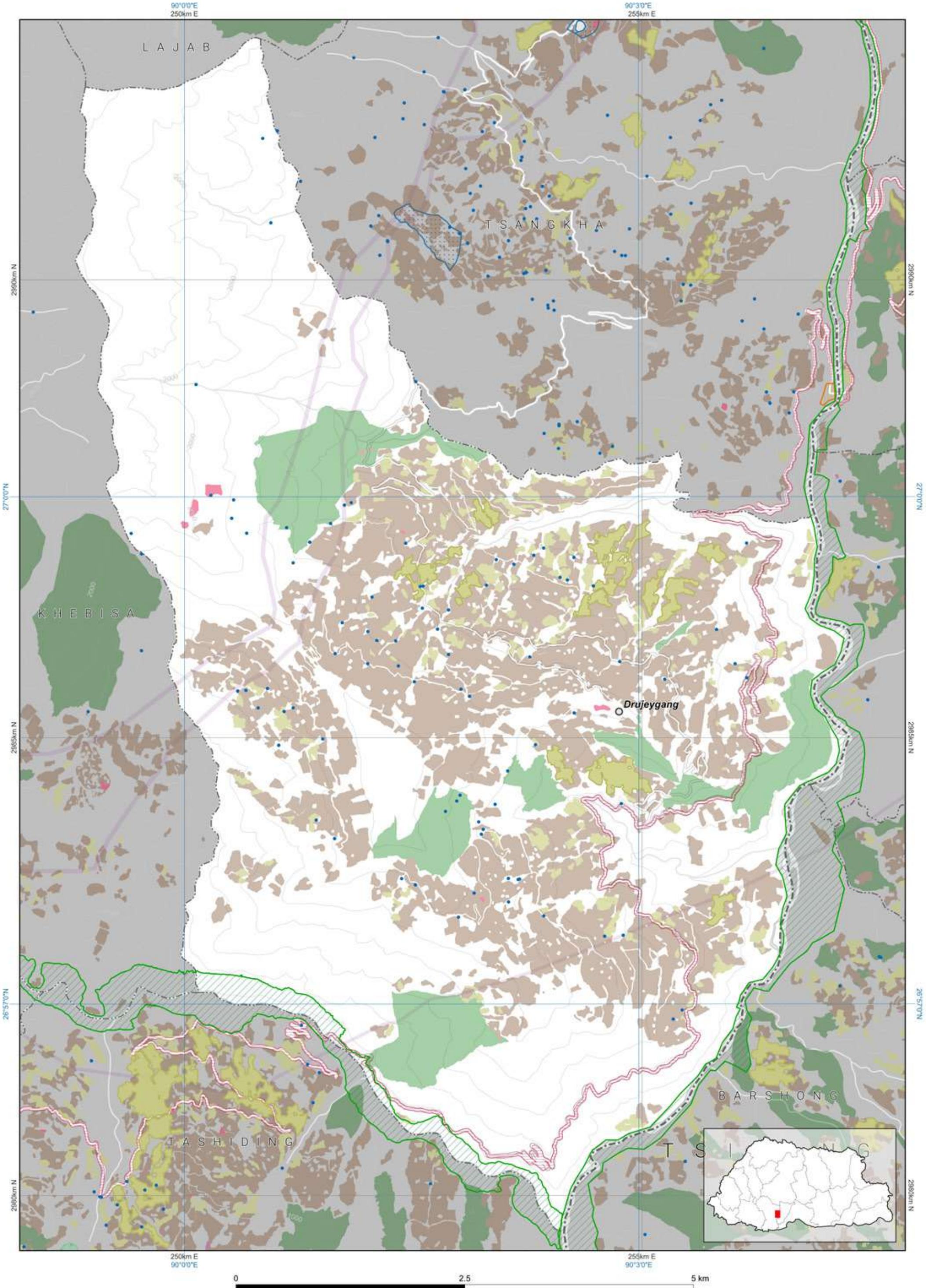
- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Drujeygang	965	977	1,942	98.8	36.3	517
Drujeygang Town	250	325	575	76.9	6.6	55

Data Ownership

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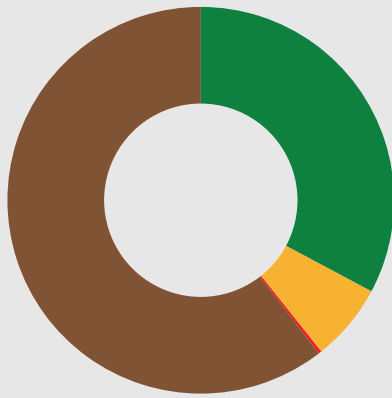
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



Zone Area

Gewog	Gesarling
Gewog code	303
Gewog area	9498.456

Zone	Area
Agriculture	938.789
Cultural Heritage	3.961
Industrial	0.105
NCA	0
Rangeland	0
Rural Settlement	100.635
SFMA	509.224
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0.003	0	7.663	0	0	0	0	0
Road	0	0	0.814	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	141.237
Road	101.242
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
  - Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Data Ownership

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Department of Surface Transport Ministry of Infrastructure and Transport
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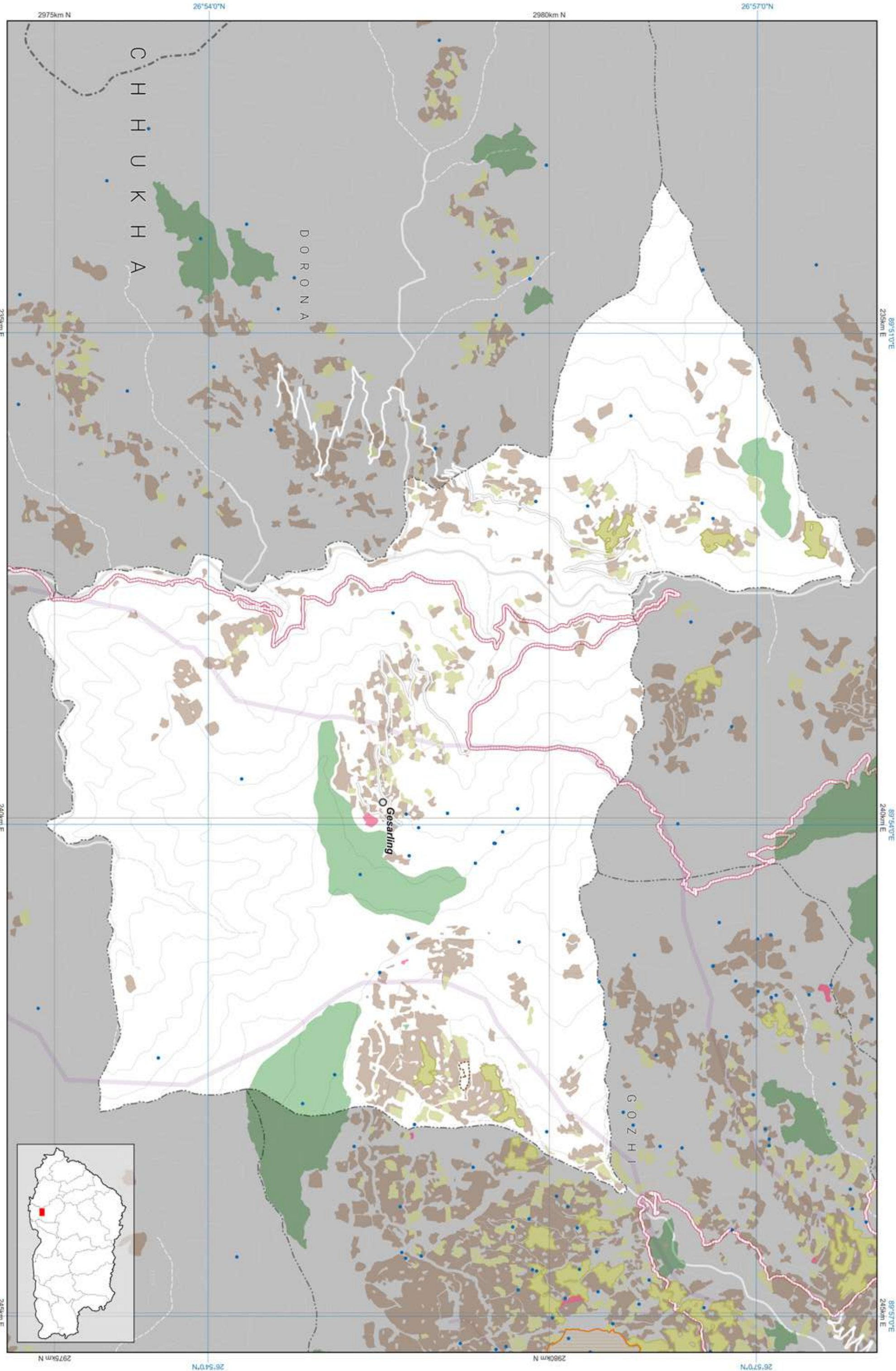
Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Gesarling	933	730	1,663	127.8	17.4	276	3.5

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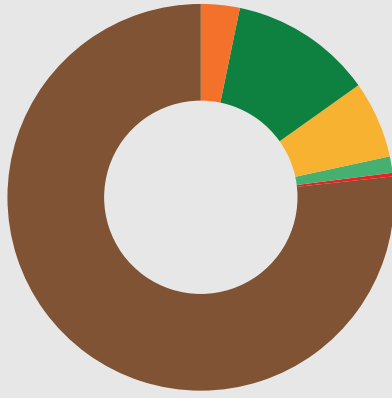


GOZHI

## Zone Area

Gewog	Gozhi
Gewog code	304
Gewog area	5383.782

Zone	Area
Agriculture	1933.347
Cultural Heritage	7.712
Industrial	0
NCA	34.468
Rangeland	0
Rural Settlement	162.396
SFMA	300.337
Urban	81.674



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0.003	0
Agriculture	0	0	0	1.09	0	0	0	0
Urban	0	0	1.09	0	0	0	0.541	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0.003	0	0.541	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	4.771	0.485	49.260	1.824	0	0	1.786	0
Road	0.545	0	12.326	0	0	0	1.297	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	122.765
Road	62.267
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

Rural Settlement

- Residential Land
- Institutional Land

Sustainable Forest Management Area

- Forest Management Unit
- Community Forest

Cultural Heritage

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

Urban

- Urban Zone

### Nature Conservation Area

Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

### Wetland

Ramsar Site

### Hazard and Risk

Rain Induced Flood

Glacier Lake Outburst Flood

Right Of Way / Buffer

Heritage

Road

Powerlines

Flight Funnel

### Other Effective Area-based Conservation Measures

Key Biodiversity Area

High Conservation Value

Rangeland

Tsamdro

### Significant Watershed

Potential Recharge Area

Payment for Ecosystem Services

Water Sources

### Industrial

Manufacturing and Production

Service

Existing mines

Airport

Helipad

Hydro Power Plants

Hydro Power Waterways

### Basemap

#### Boundaries

International

Dzongkhag

Gewog

#### Rivers

Main river

Perennial

#### Terrain

Contour

#### Roads for different map scales

Highway 300k

Highway 50k

Highway 25k

Highway 5k

Dzongkhag 50k

Dzongkhag 25k

Dzongkhag 5k

Thromde 50k

Thromde 25k

Thromde 5k

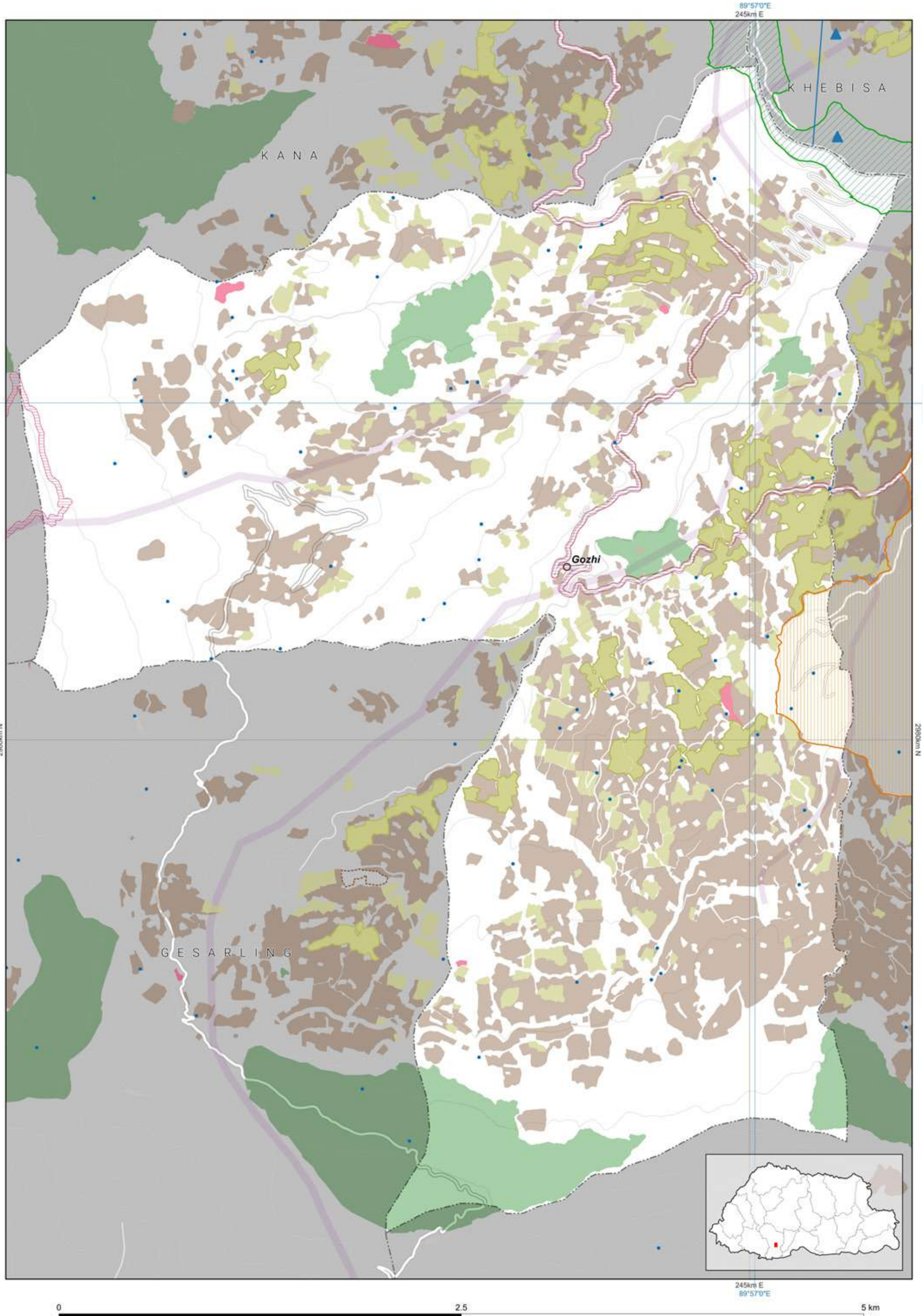
Access 5k

Industrial 5k

Farm 5k

Dagana: Gozhi

## National Land Use Zoning 2023



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## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Gozhi	1,256	1,251	2,507	100.4	23.1	4.1
Dagapela Town	332	246	578	135.0	12.6	3.8

**Disclaimer:**  
The demographic statistics provided in the table above for Dagapela town encompass not only the area falling under the Gozhi gewog but also include the demographic statistics of the town area falling under the Tsendagang gewog. The same statistics for Dagapela town can be found under the Tsendagang gewog.

## Data Ownership

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Department of Agriculture Ministry of Agriculture and Livestock
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Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat



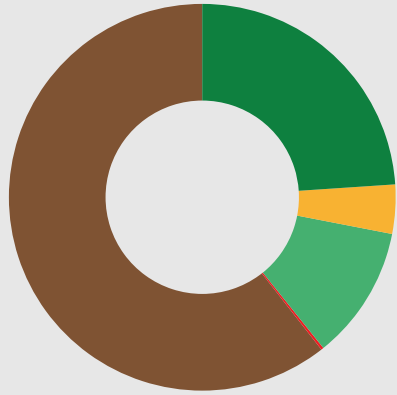


KANA

## Zone Area

Gewog	Kana
Gewog code	305
Gewog area	47225.12

Zone	Area
Agriculture	3879.528
Cultural Heritage	13.401
Industrial	0.115
NCA	716.378
Rangeland	0
Rural Settlement	263.013
SFMA	1533.392
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	3.35	0	0	0	0	0
Agriculture	0	3.35	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	3.298	0	0	0	0	0	0
Road	42.196	0.815	29.205	0	0	0	4.312	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	17.392
Road	331.862
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

**Agricultural Land**

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

**Rural Settlement**

- Residential Land
- Institutional Land

**Sustainable Forest Management Area**

- Forest Management Unit
- Community Forest

**Cultural Heritage**

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

**Urban**

- Urban Zone

### Nature Conservation Area

**Protected Area**

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

**Wetland**

- Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

**Rangeland**

- Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

#### Boundaries

- International
- Dzongkhag
- Gewog

**Rivers**

- Main river
- Perennial

**Terrain**

- Contour

#### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Data Ownership

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Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

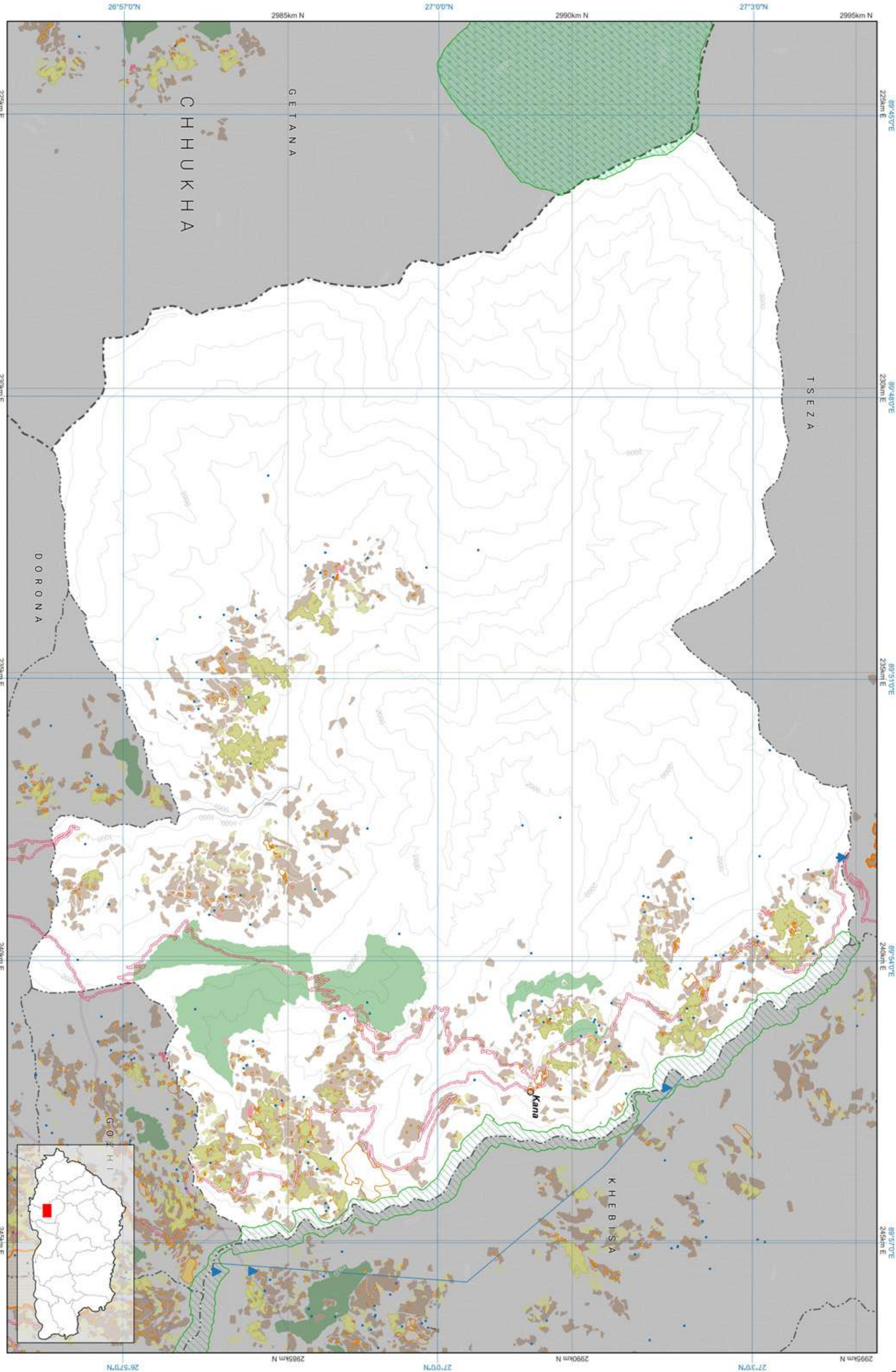
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Kana	1,271	1,239	2,510	102.6	27.7	593

4.2

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0 1.25 2.5 km

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Dagana: Kana

National Land Use Zoning 2023



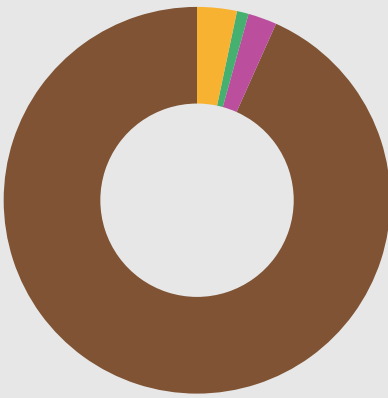
DAGANA



Zone Area

Gewog	Karmaling
Gewog code	312
Gewog area	22662.101

Zone	Area
Agriculture	1889.879
Cultural Heritage	0
Industrial	48.759
NCA	19.774
Rangeland	0
Rural Settlement	67.179
SFMA	0
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0.021	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0.021	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	19.951	0	0	2.674	0.028	0
Road	0	0	7.091	0	0	0.425	0.43	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	282.998
Road	236.577
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Karmaling	785	539	1,324	145.6	35.1	309

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Map Legend

National Land Use Zoning

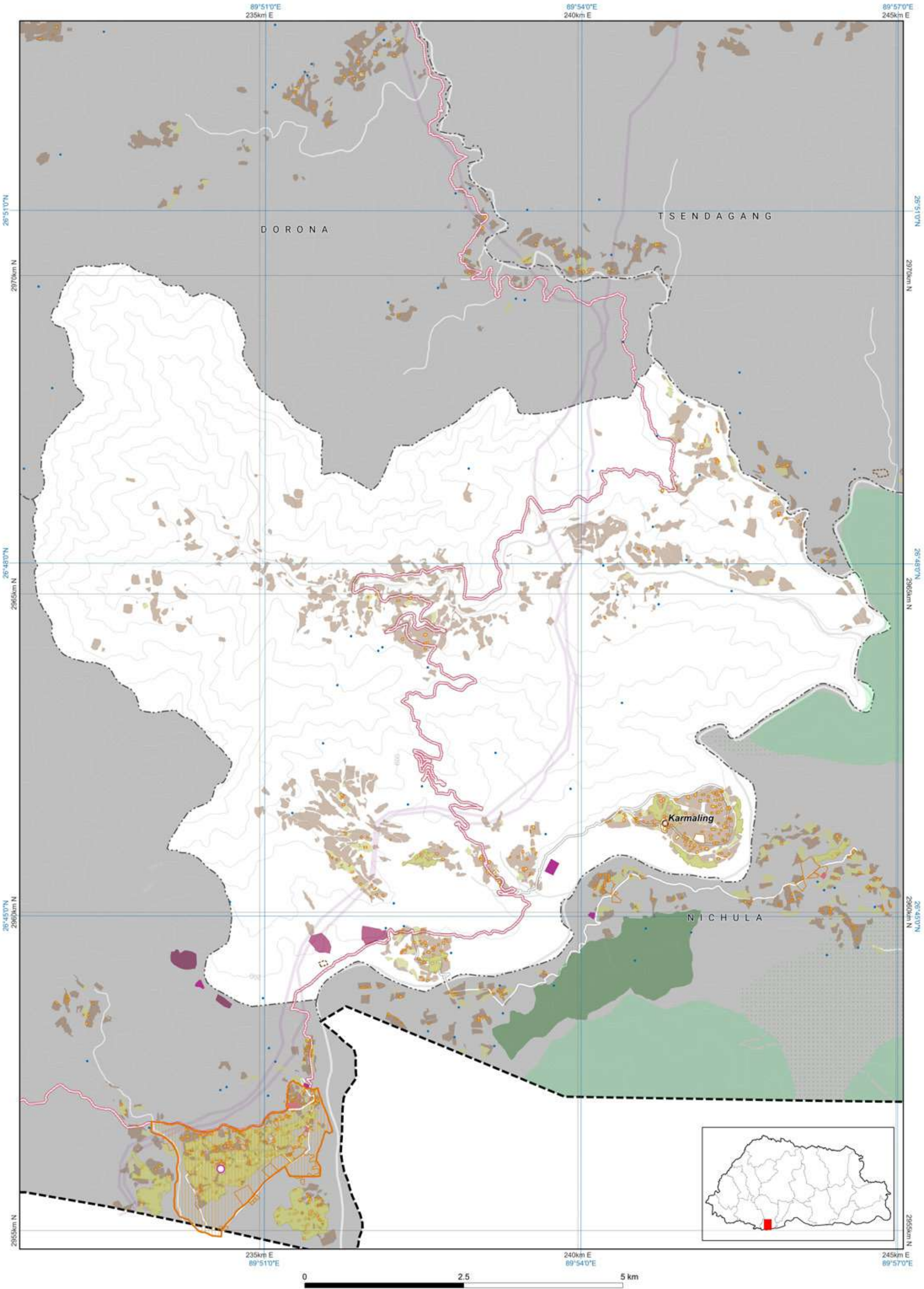
- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Dagana: Karmaling

National Land Use Zoning 2023



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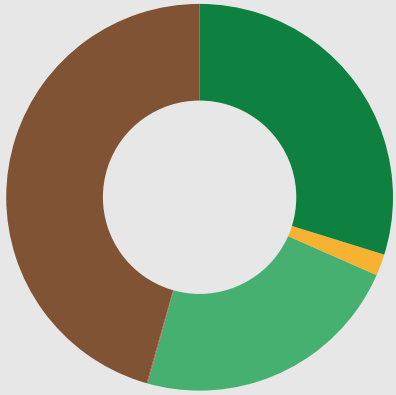


KHEBISA

## Zone Area

Gewog	Khebisa
Gewog code	306
Gewog area	23859.706

Zone	Area
Agriculture	1920.716
Cultural Heritage	2.813
Industrial	0.2
NCA	958.299
Rangeland	0
Rural Settlement	75.764
SFMA	1255.241
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0		0	0	0	0	0
NCA	0	0	1.92	0	0	0	0	0
Agriculture	0	1.92	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	6.347	6.341	29.143	0	0	0	0.036	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	104.312
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

**Agricultural Land**

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

**Rural Settlement**

- Residential Land
- Institutional Land

**Sustainable Forest Management Area**

- Forest Management Unit
- Community Forest

**Cultural Heritage**

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

**Urban**

- Urban Zone

### Nature Conservation Area

**Protected Area**

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

**Wetland**

- Ramsar Site

**Hazard and Risk**

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
- Tsamdro

**Significant Watershed**

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

**Boundaries**

- International
- Dzongkhag
- Gewog

**Rivers**

- Main river
- Perennial

**Terrain**

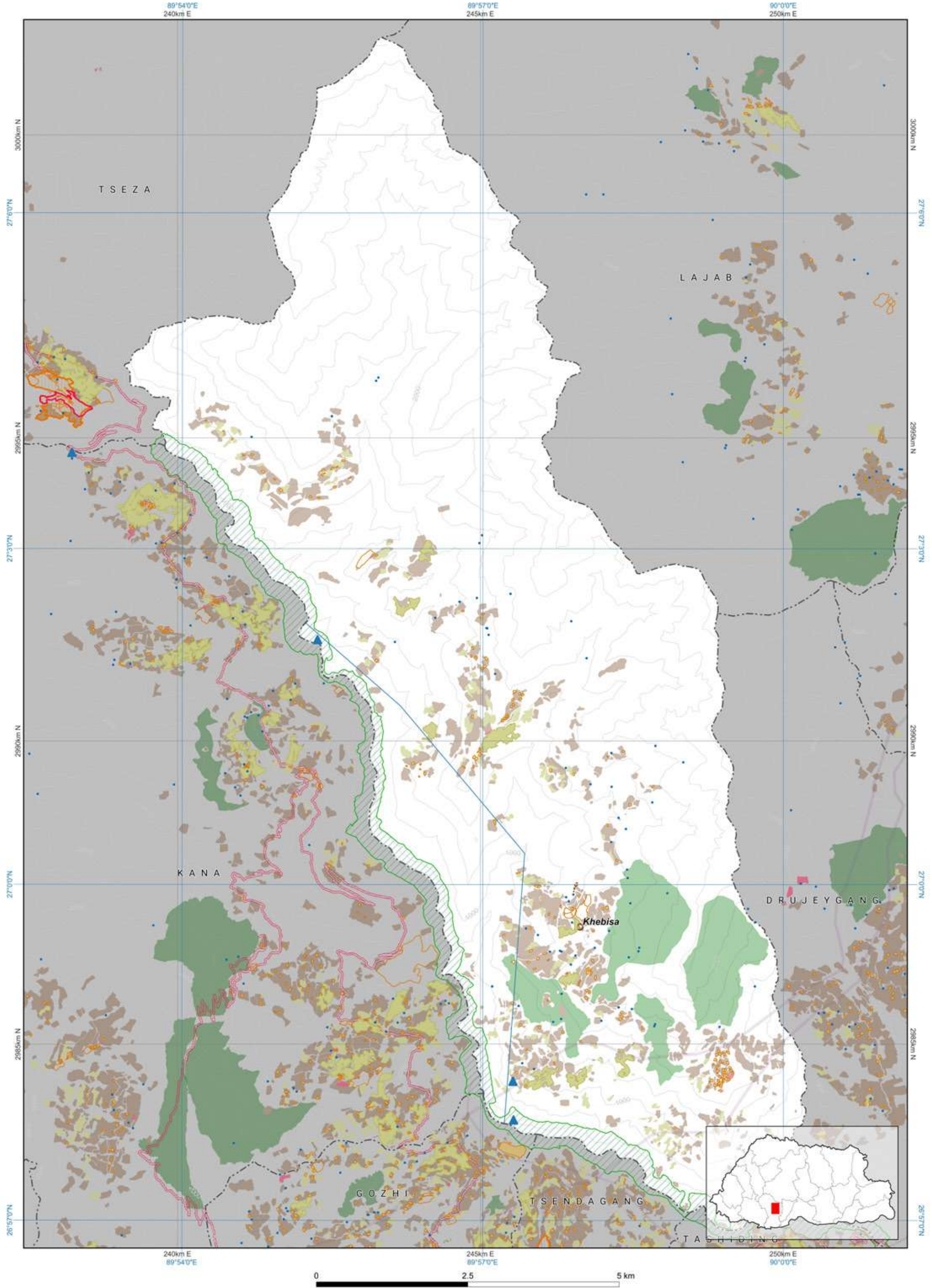
- Contour

### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Dagana: Khebisa

## National Land Use Zoning 2023



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## Data Ownership

### Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population			Sex ratio	Aging Index
	Male	Female	Total		
Khebisa	597	618	1,215	96.6	28.1

Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Khebisa	597	618	1,215	96.6	28.1	302	4



Zone Area

Gewog	Lajab
Gewog code	307
Gewog area	26816.475

Zone	Area
Agriculture	914.386
Cultural Heritage	0.415
Industrial	0.1
NCA	69.096
Rangeland	0
Rural Settlement	60.747
SFMA	1040.757
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	11.391	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	191.598
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

Agricultural Land  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
Rural Settlement  
Residential Land  
Institutional Land  
Sustainable Forest Management Area  
Forest Management Unit  
Community Forest  
Cultural Heritage  
Religious Sites  
Heritage Village  
Heritage Conservation Zone

Urban  
Urban Zone

Nature Conservation Area

Protected Area  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park

Wetland

Ramsar Site

Hazard and Risk

Rain Induced Flood  
Glacier Lake  
Outburst Flood  
Right Of Way / Buffer  
Heritage  
Road  
Powerlines  
Flight Funnel

Other Effective Area-based Conservation Measures

Key Biodiversity Area  
High Conservation Value

Rangeland  
Tsamdro

Significant Watershed

Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources

Industrial

Manufacturing and Production  
Service  
Existing mines  
Airport  
Helipad  
Hydro Power Plants  
Hydro Power Waterways

Basemap

Boundaries  
International  
Dzongkhag  
Gewog

Rivers  
Main river  
Perennial

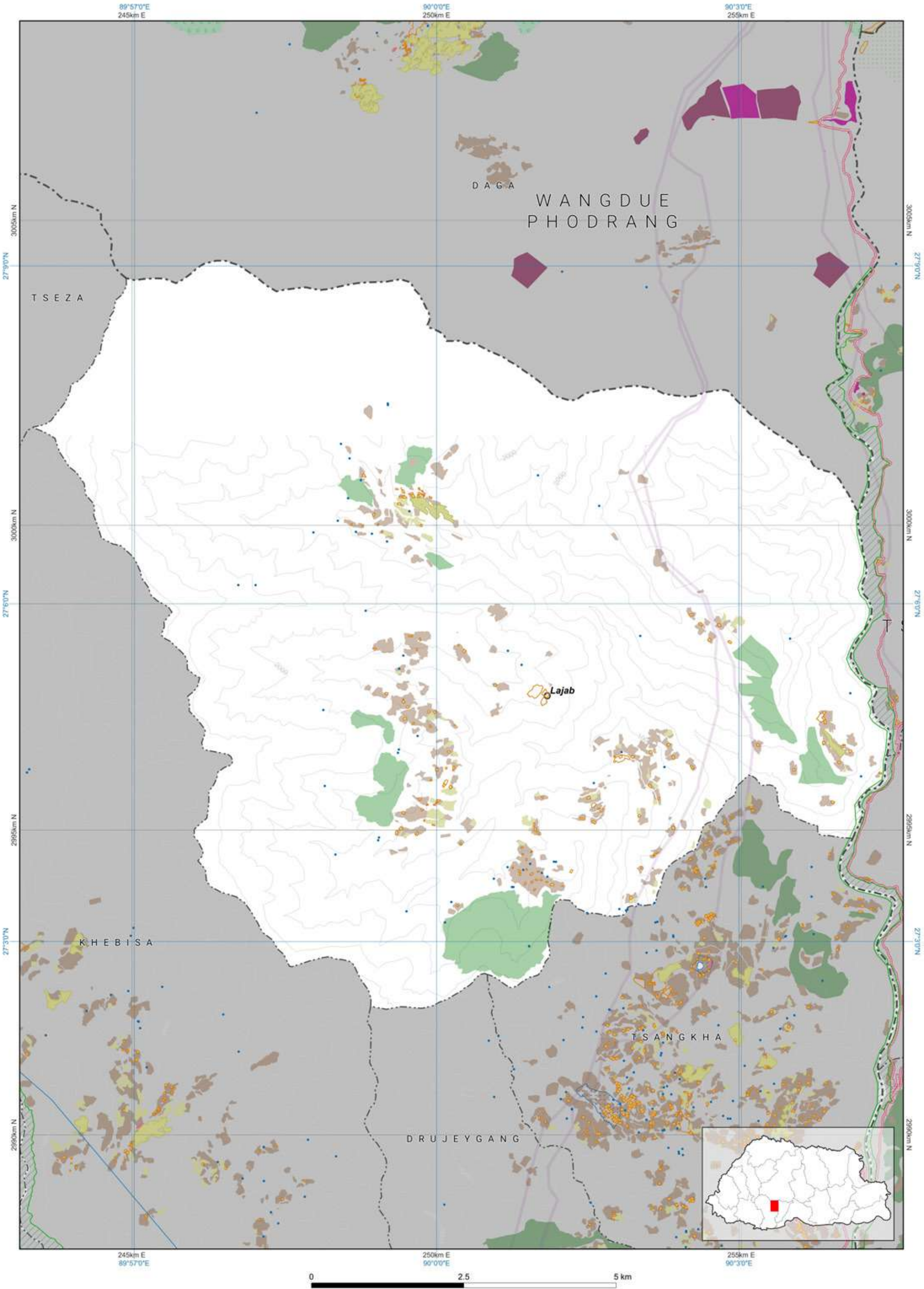
Terrain  
Contour

Roads for different map scales

Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

Dagana: Lajab

National Land Use Zoning 2023



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Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Lajab	454	389	843	116.7	26.2	185

3.6

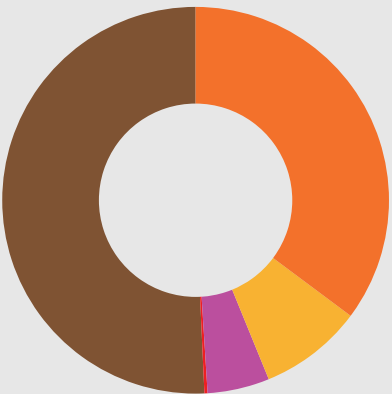
Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat



Zone Area

Lhamoi Dzingkha	
Gewog	Dzingkha
Gewog code	313
Gewog area	26272.688
Zone Area	
Agriculture	1078.787
Cultural Heritage	5.718
Industrial	113.477
NCA	0
Rangeland	0
Rural Settlement	188.51
SFMA	0
Urban	769.288



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	315.946	0	0	0	0
Urban	0	0	315.946	0	5.712	0.317	132.89	0
Culture	0	0	0	5.712	0	0	0	0
Industrial	0	0	0	0.317	0	0	13.265	0
Rural Settlement	0	0	0	132.89	0	13.265	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	11.732	9.607	0	0	0.345	0
Road	0	0	2.972	0	0	0.021	0.462	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	115.026
Road	134.896
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake
    - Outburst Flood
    - Right Of Way / Buffer
  - Heritage
    - Heritage
    - Road
    - Powerlines
    - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Data Ownership

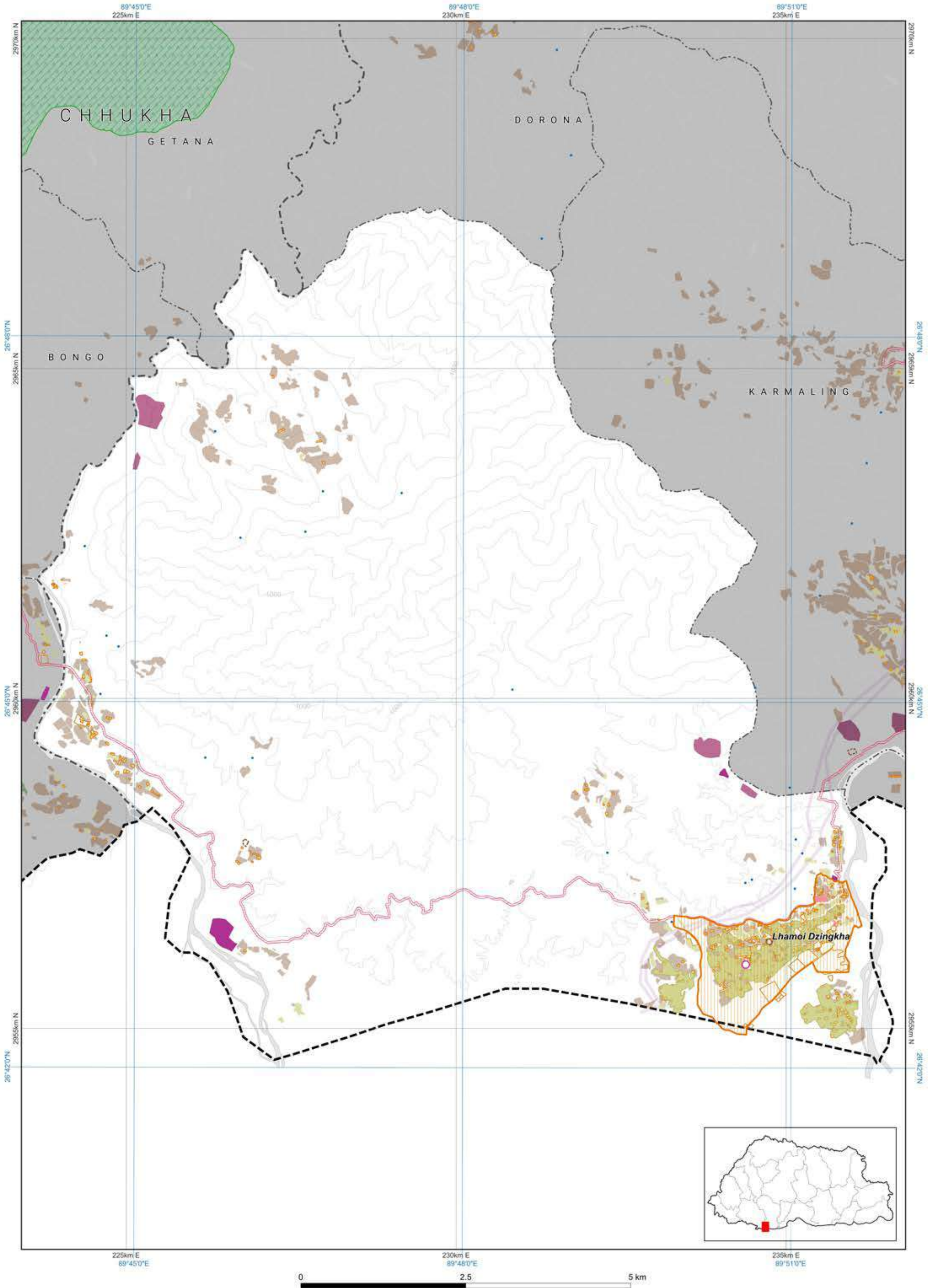
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Department of Energy Ministry of Energy and Natural Resources
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Department of Water Ministry of Energy and Natural Resources
Department of Industry Ministry of Industry, Commerce and Employment
Department of Air Transport Ministry of Infrastructure and Transport
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Lhamoi Dzingkha	432	364	796	118.7	33.9	194
Lhamoi Dzingkha Town 991	970	970	1,961	102.2	16.6	416

Dagana: Lhamoi Dzingkha

National Land Use Zoning 2023



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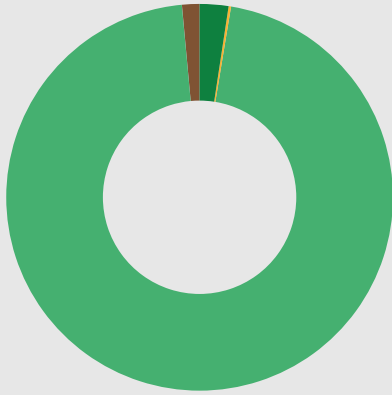
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



## Zone Area

Gewog	Nichula
Gewog code	314
Gewog area	34573.771

Zone	Area
Agriculture	448.503
Cultural Heritage	1.296
Industrial	2
NCA	29510.472
Rangeland	0
Rural Settlement	62.316
SFMA	739.004
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

## Zone Conflict

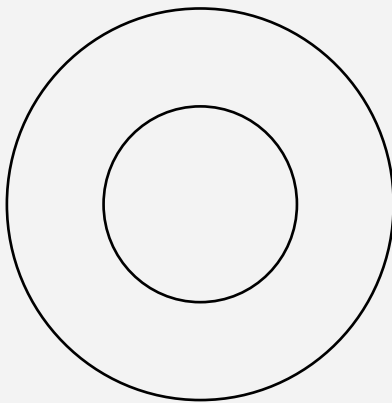
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.583	0	0	0	0	0
NCA	0	0	22.794	0	0	0	0.534	0
Agriculture	0.583	22.794	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0.534	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park

- Wetland
  - Ramsar Site

- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer

- Heritage
  - Road
  - Powerlines
  - Flight Funnel

- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value

- Rangeland
  - Tsamdro

- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources

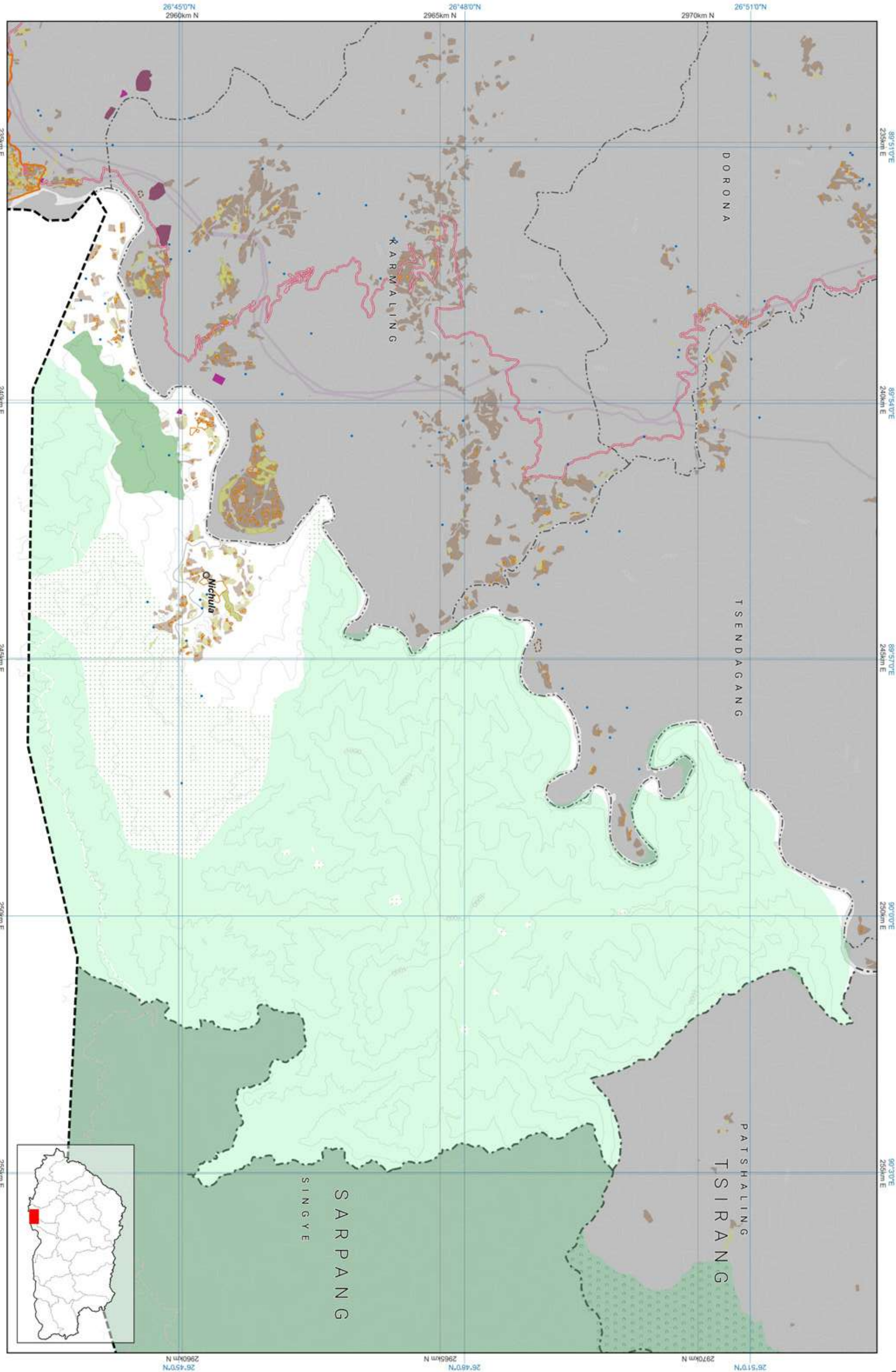
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  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

- Basemap
  - Boundaries
    - International
    - Dzongkhag
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    - Dzongkhag 25k
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    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

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## Data Ownership

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Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

National Land Commission Secretariat

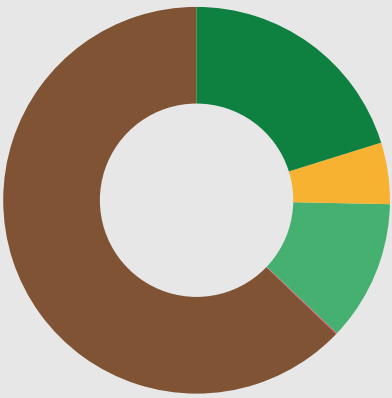
## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Nichula	242	192	434	126.0	50.6	3.2



Zone Area

Gewog	Tashiding
Gewog code	308
Gewog area	9608.406
Zone	Area
Agriculture	1733.515
Cultural Heritage	1.661
Industrial	1.217
NCA	324.113
Rangeland	0
Rural Settlement	142.009
SFMA	556.815
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	10.547	0.00	0	0	0	0	0
NCA	10.547	0	4.52	0	0	0	0	0
Agriculture	0.00	4.52	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0.987	16.246	0	0	0	0.931	0
Road	0	3.221	17.165	0	0.107	0	2.852	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	32.212
Road	91.196
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

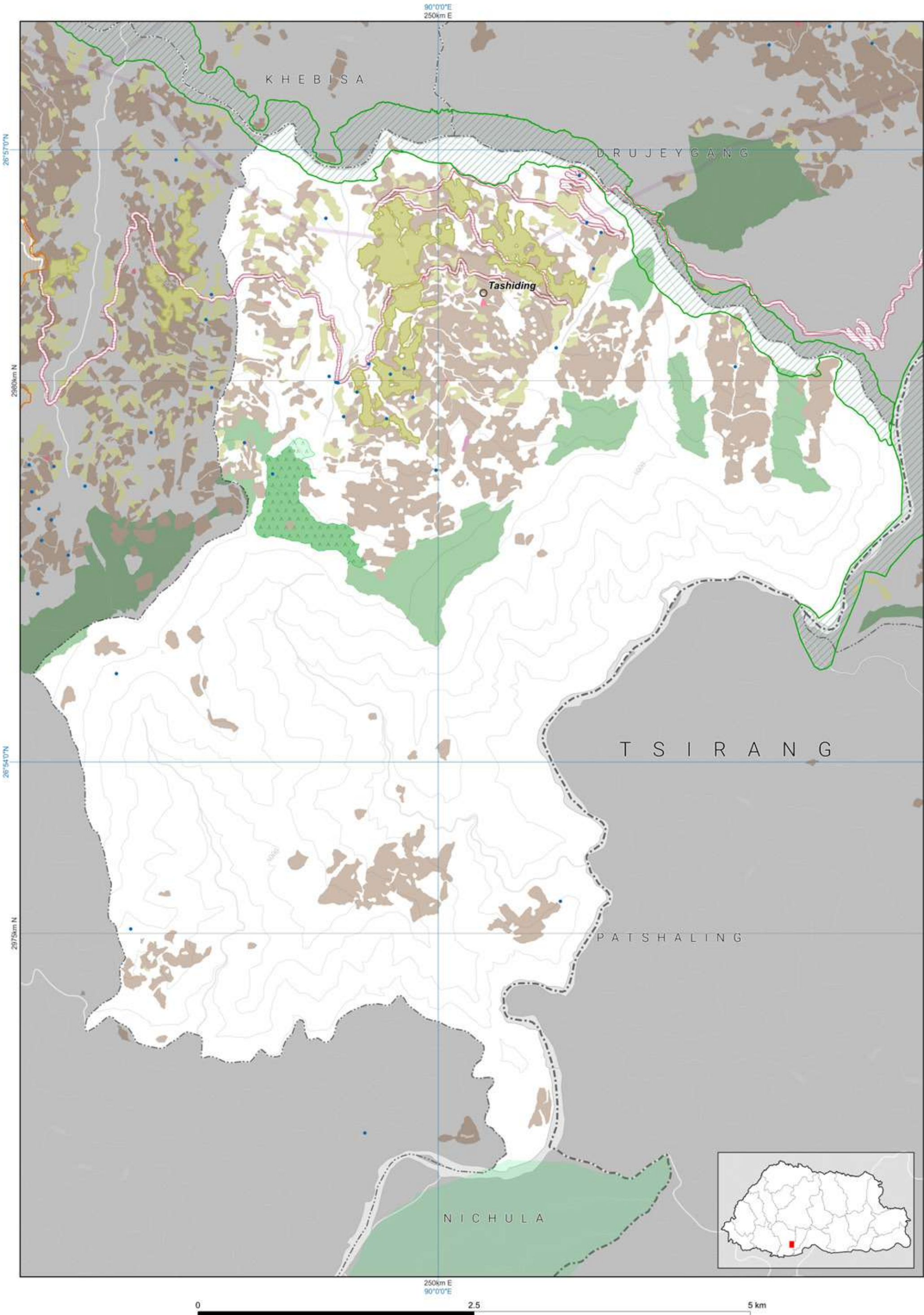
- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Tashiding	843	844	1,687	99.9	19.8	412

Data Ownership

Data Owner of the Map Content
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Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat



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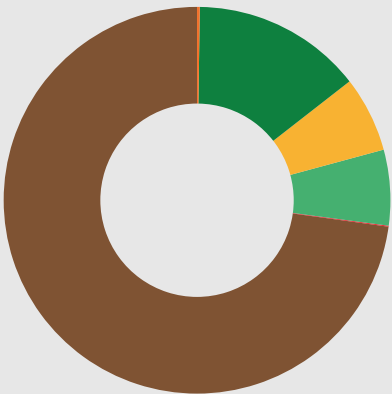
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



Zone Area

Gewog	Tsangkha
Gewog code	311
Gewog area	9134.833

Zone	Area
Agriculture	1859.157
Cultural Heritage	2.015
Industrial	0.245
NCA	161.312
Rangeland	0
Rural Settlement	161.49
SFMA	363.364
Urban	5.831



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	35.54	0	0.906	0	8.673	0
Agriculture	0	35.54	0	0	0	0	0	0
Urban	0	0	0	0	0	0	1.508	0
Culture	0	0.906	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	8.673	0	1.508	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0.665	4.776	38.526	0	0	0	0.667	0
Road	0	0.357	0.979	0	0	0	0.231	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	135.004
Road	39.19
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

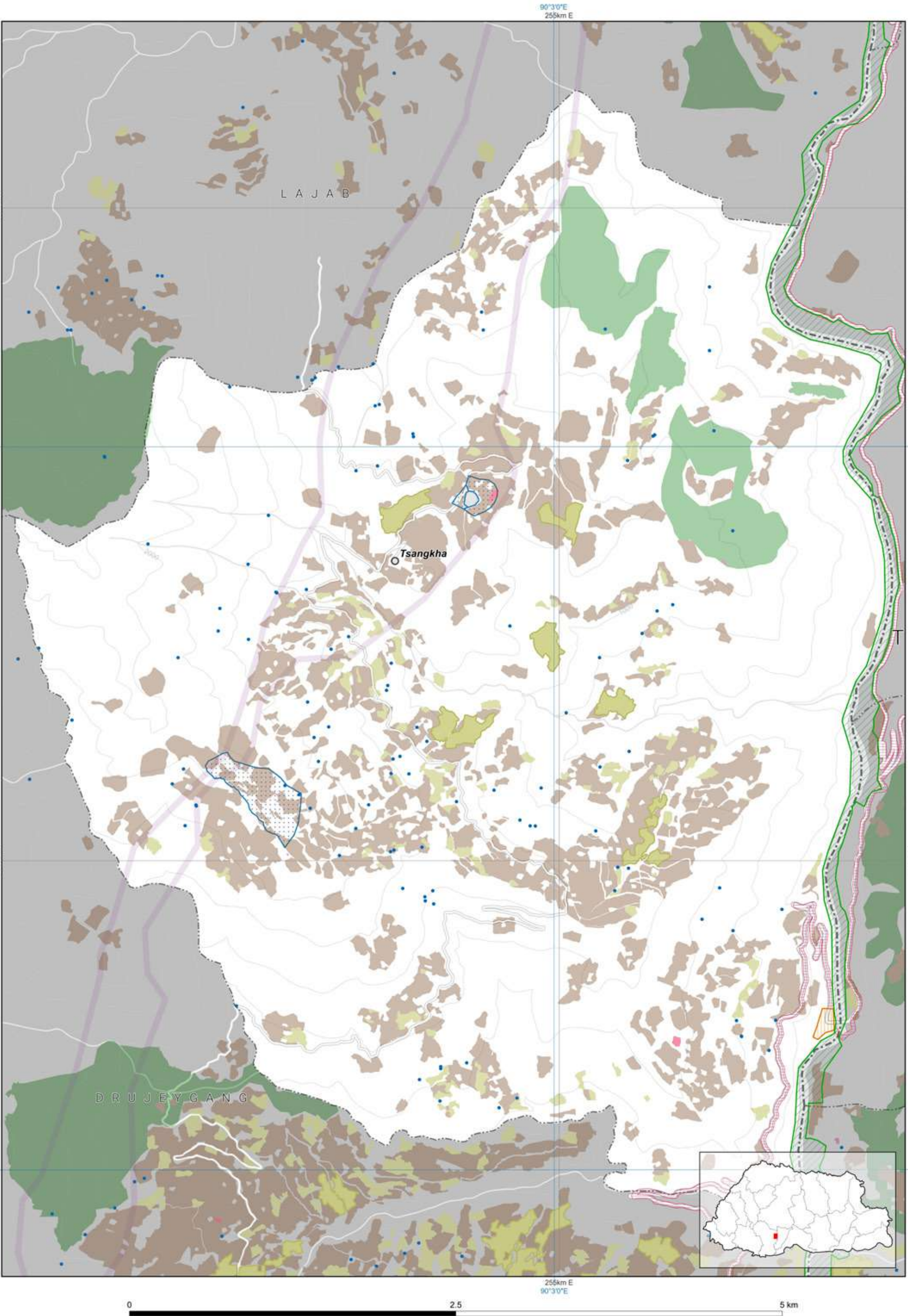
- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Dagana: Tsangkha

National Land Use Zoning 2023



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Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Tsangkha	838	817	1,655	102.6	15.2	3.9
Sankosh Town	25	27	52	92.6	125.0	2.7

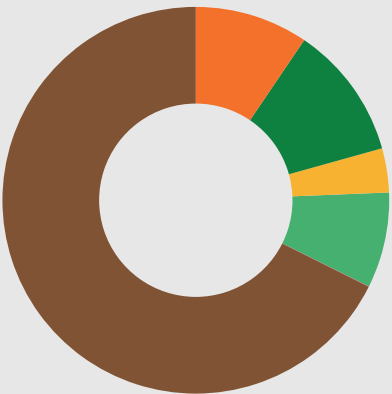




Zone Area

Gewog	Tsendagang
Gewog code	309
Gewog area	23545.359

Zone	Area
Agriculture	1855.155
Cultural Heritage	0.851
Industrial	0.1
NCA	219.356
Rangeland	0
Rural Settlement	101.231
SFMA	307.217
Urban	259.884



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	4.746	0	0	0	0
Urban	0	0	4.746	0	0	0	0.789	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0.789	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	4.017	45.267	10.484	0	0	0.916	0
Road	0	0	10.828	0	0	0	1.057	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	161.023
Road	49.213
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
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  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
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  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
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  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
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  - Boundaries
    - International
    - Dzongkhag
    - Gewog
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    - Main river
    - Perennial
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    - Contour
  - Roads for different map scales
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    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

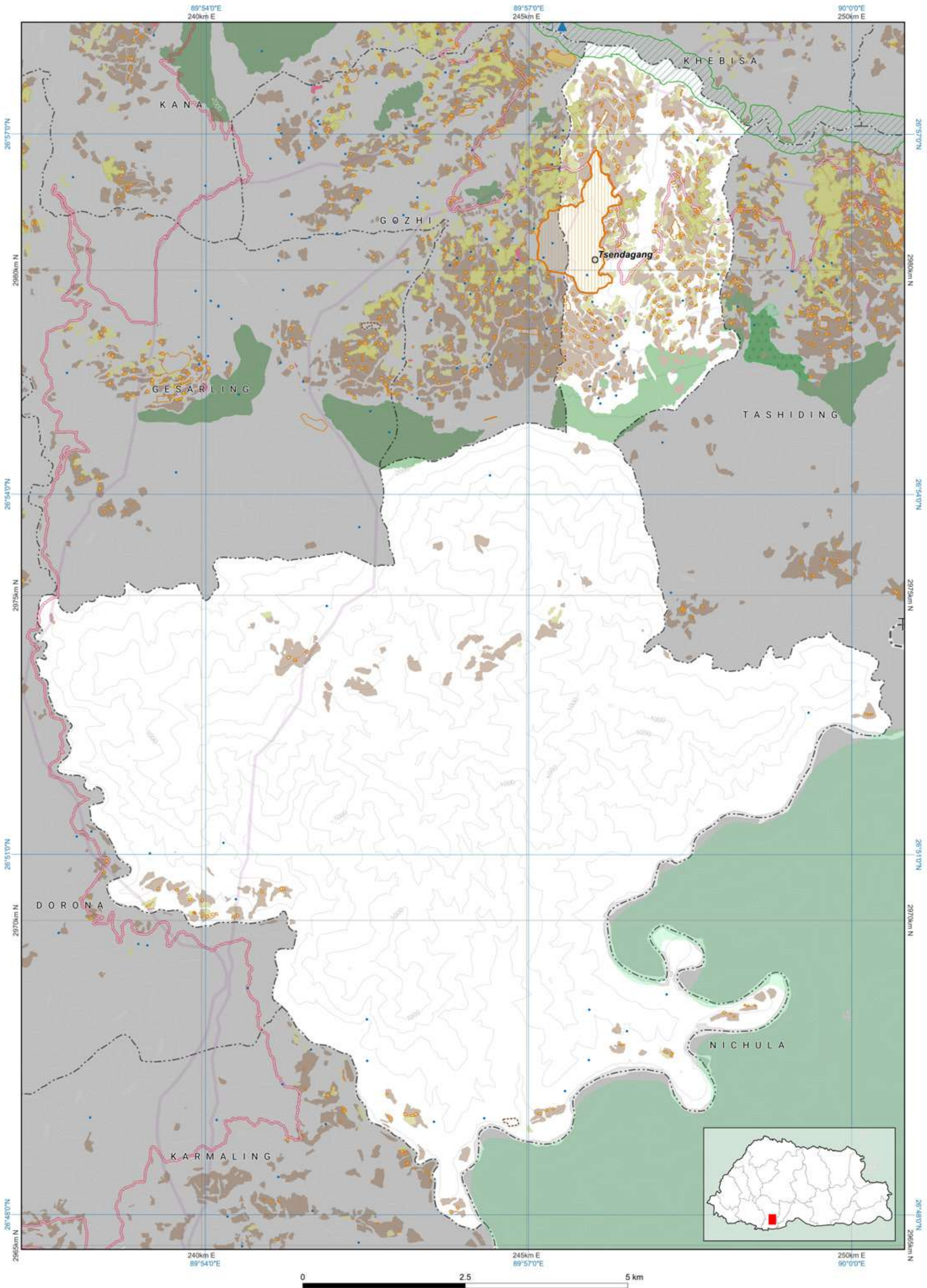
Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Tsendagang	921	908	1,829	101.4	30.3	466	3.8
Dagapela Town	332	246	578	135.0	12.6	132	3.8

**Disclaimer:**  
The demographic statistics provided in the table above for Dagapela town encompass not only the area falling under the Tsendagang gewog but also include the demographic statistics of the town area falling under the Gozhi gewog. The same statistics for Dagapela town can be found under the Gozhi gewog.

Data Ownership

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Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat



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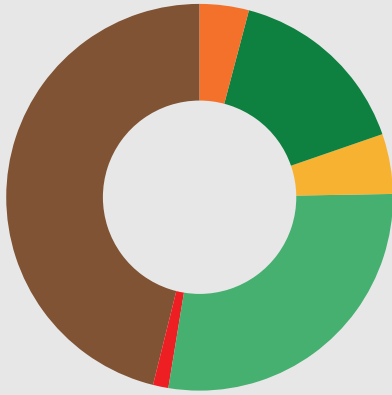


TSEZA

## Zone Area

Gewog	Tseza
Gewog code	310
Gewog area	146676.259

Zone	Area
Agriculture	1234.348
Cultural Heritage	34.306
Industrial	0.05
NCA	745.378
Rangeland	0
Rural Settlement	134.376
SFMA	417.37
Urban	109.916



All areas are in Acres.

■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	25.348	0.033	0	0	0
Urban	0	0	25.348	0	27.501	0	64.346	0
Culture	0	0	0.033	27.501	0	0	25.979	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	64.346	25.979	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	7.624	0	0	0	0.877	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	49.366
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
Rural Settlement  
Residential Land  
Institutional Land  
Sustainable Forest Management Area  
Forest Management Unit  
Community Forest

Cultural Heritage  
Religious Sites  
Heritage Village  
Heritage Conservation Zone

Urban  
Urban Zone

### Nature Conservation Area

Protected Area  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park

Wetland  
Ramsar Site

### Hazard and Risk

Rain Induced Flood  
Glacier Lake  
Outburst Flood  
Right Of Way / Buffer  
Heritage  
Road  
Powerlines  
Flight Funnel

### Other Effective Area-based Conservation Measures

Key Biodiversity Area  
High Conservation Value

Rangeland  
Tsamdro

### Significant Watershed

Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources

### Industrial

Manufacturing and Production  
Service  
Existing mines  
Airport  
Helipad  
Hydro Power Plants  
Hydro Power Waterways

### Basemap

Boundaries  
International  
Dzongkhag  
Gewog

Rivers  
Main river  
Perennial

Terrain  
Contour

Roads for different map scales

Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

## Data Ownership

### Data Owner of the Map Content

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Department of Water  
Ministry of Energy and Natural Resources

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Ministry of Home Affairs

Department of Air Transport  
Ministry of Infrastructure and Transport

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

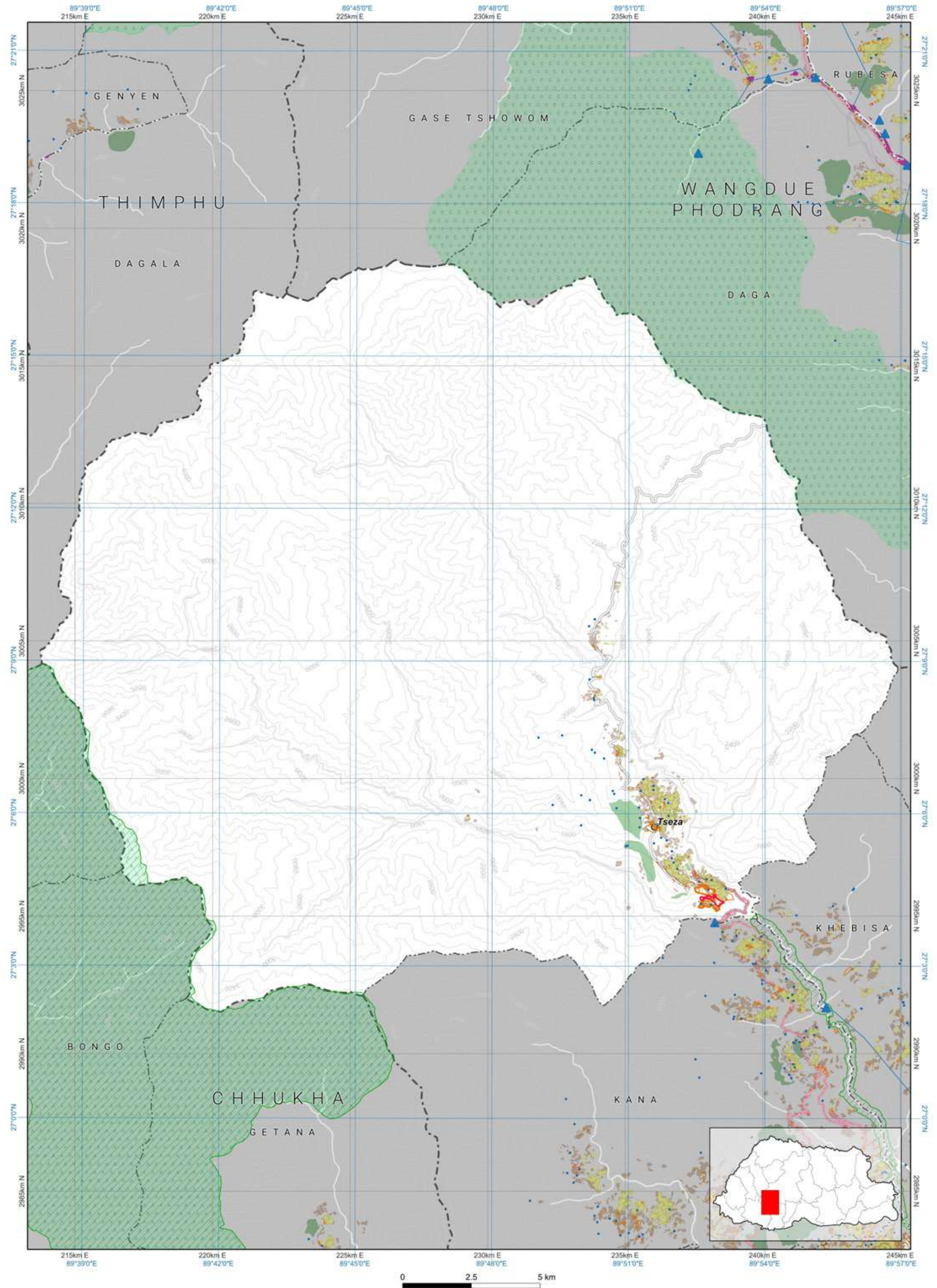
National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Tseza	554	541	1,095	102.4	26.7	272
Dagana Town	852	695	1,547	122.6	10.1	229

Dagana: Tseza

## National Land Use Zoning 2023



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Zone Area

Dzongkhag		Gasa
Dzongkhag code		04
Dzongkhag area		774764.37
Zone		Area
Agriculture		1235.081
Culture		41.242
Industrial		7.561
NCA		774763.316
Rangeland		0
Rural Settlement		218.552
SFMA		1724.873
Urban		212.295



- All areas are in Acres.
- Agriculture
  - Culture
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

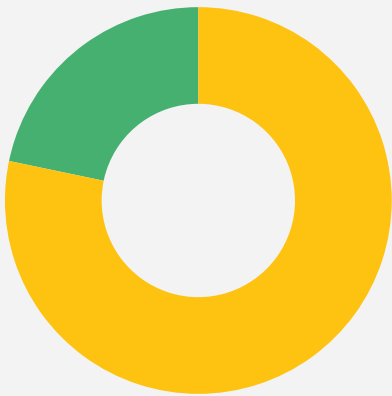
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	1724.873	0.00	0	0	0	0	0
NCA	1724.873	0	1,235.08	212.295	41.242	7.561	218.551	0
Agriculture	0.00	1,235.08	0	9.712	0	0	0	0
Urban	0	212.295	9.712	0	26.547	0.24	0.949	0
Culture	0	41.242	0	26.547	0	0	0	0
Industrial	0	7.561	0	0.24	0	0	0	0
Rural Settlement	0	218.551	0	0.949	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	10.454	44.108	0.511	0	0.068	0.717	0.088	0
Road	12.414	158.925	2.987	0	0	0.009	3.149	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	44.108
Road	158.925
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Gasa	2,104	1,848	3,952	113.9	21.2	909

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
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  - Road
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  - Water Sources
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  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

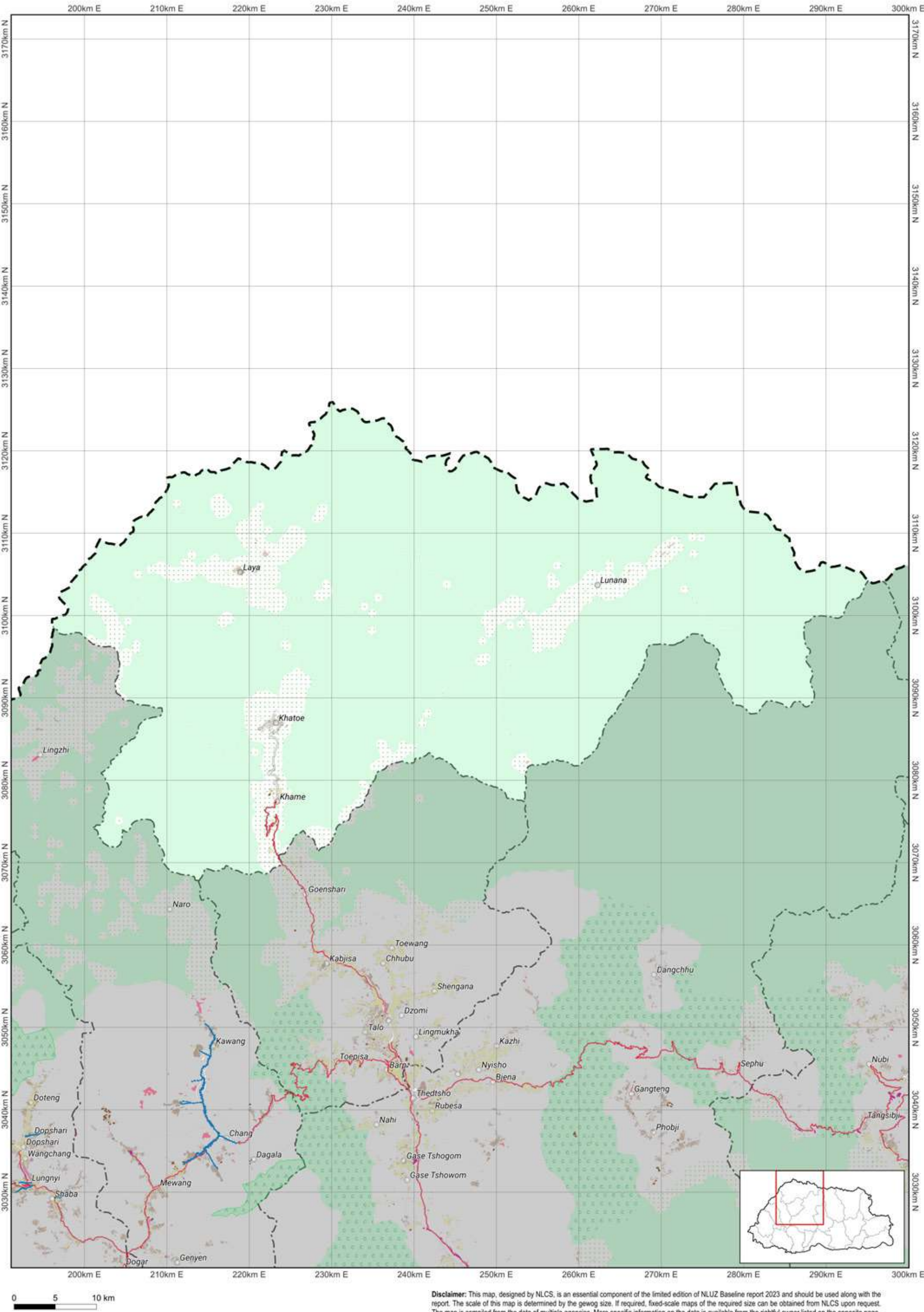
- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Gasa

National Land Use Zoning 2023



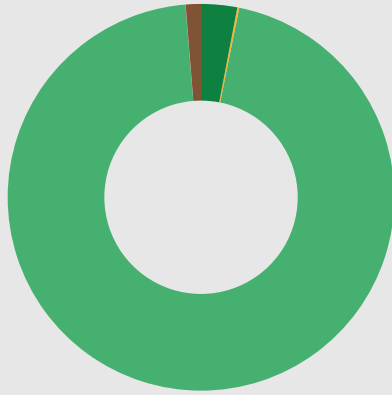
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## Zone Area

Gewog	Khame
Gewog code	401
Gewog area	36896.792

Zone	Area
Agriculture	489.129
Cultural Heritage	4.808
Industrial	5.659
NCA	36896.792
Rangeland	0
Rural Settlement	64.059
SFMA	1160.706
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	1160.706	0.00	0	0	0	0	0
NCA	1160.706	0	489.13	0	4.808	5.659	64.059	0
Agriculture	0.00	489.13	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	4.808	0	0	0	0	0	0
Industrial	0	5.659	0	0	0	0	0	0
Rural Settlement	0	64.059	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	10.454	44.108	0.511	0	0.068	0.717	0.088	0
Road	12.414	158.925	2.987	0	0	0.009	3.149	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	44.108
Road	158.925
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
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  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

### Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour

### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Data Ownership

### Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Air Transport  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Centre for Hydrology and Meteorology

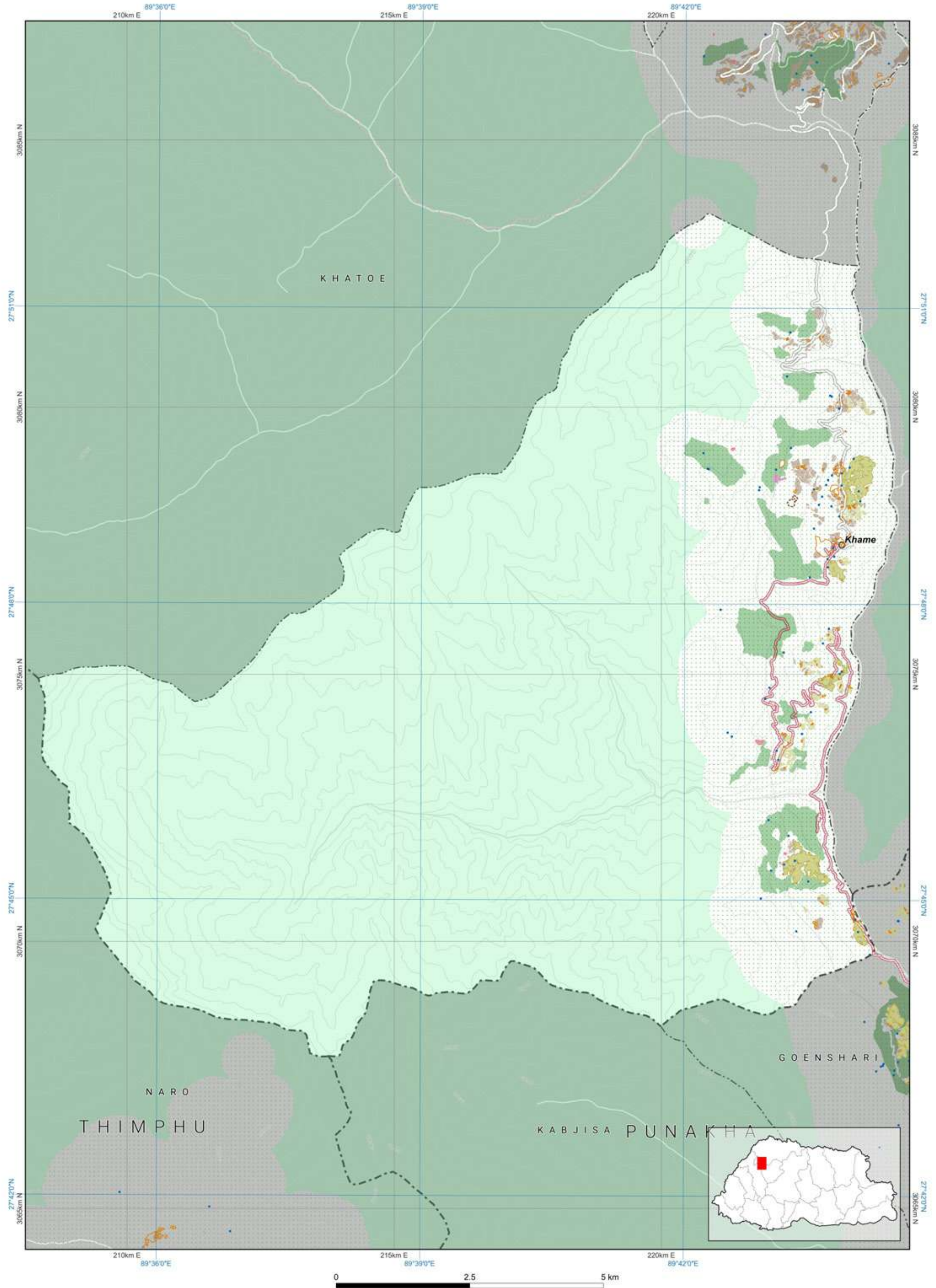
National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Khame	232	264	496	87.9	67.9	3.3
Damji Town	313	274	587	114.2	1.6	3.6

Gasa: Khame

## National Land Use Zoning 2023



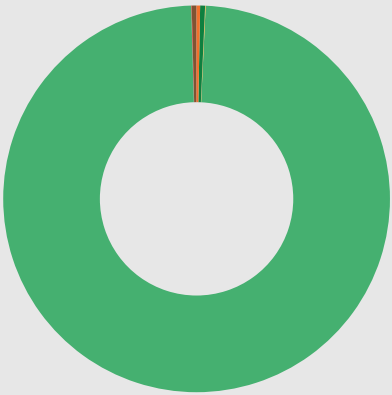
Disclaimer: This map, designed by NLCS, is an essential component of the limited edition of NLUZ Baseline report 2023 and should be used along with the report. More specific information on the data is available from the rightful owner listed on the opposite page.

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Zone Area

Gewog	Khatoe
Gewog code	402
Gewog area	70860.464
Zone	Area
Agriculture	287.607
Cultural Heritage	31.816
Industrial	0.648
NCA	70860.464
Rangeland	0
Rural Settlement	32.819
SFMA	293.032
Urban	212.291



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

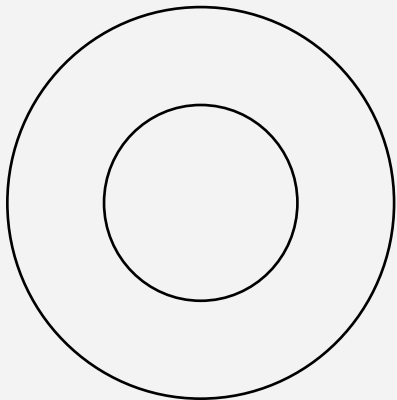
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	293.032	0.00	0	0	0	0	0
NCA	293.032	0	287.61	212.291	31.816	0.648	32.819	0
Agriculture	0.00	287.61	0	9.712	0	0	0	0
Urban	0	212.291	9.712	0	26.546	0.24	0.949	0
Culture	0	31.816	0	26.546	0	0	0	0
Industrial	0	0.648	0	0.24	0	0	0	0
Rural Settlement	0	32.819	0	0.949	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

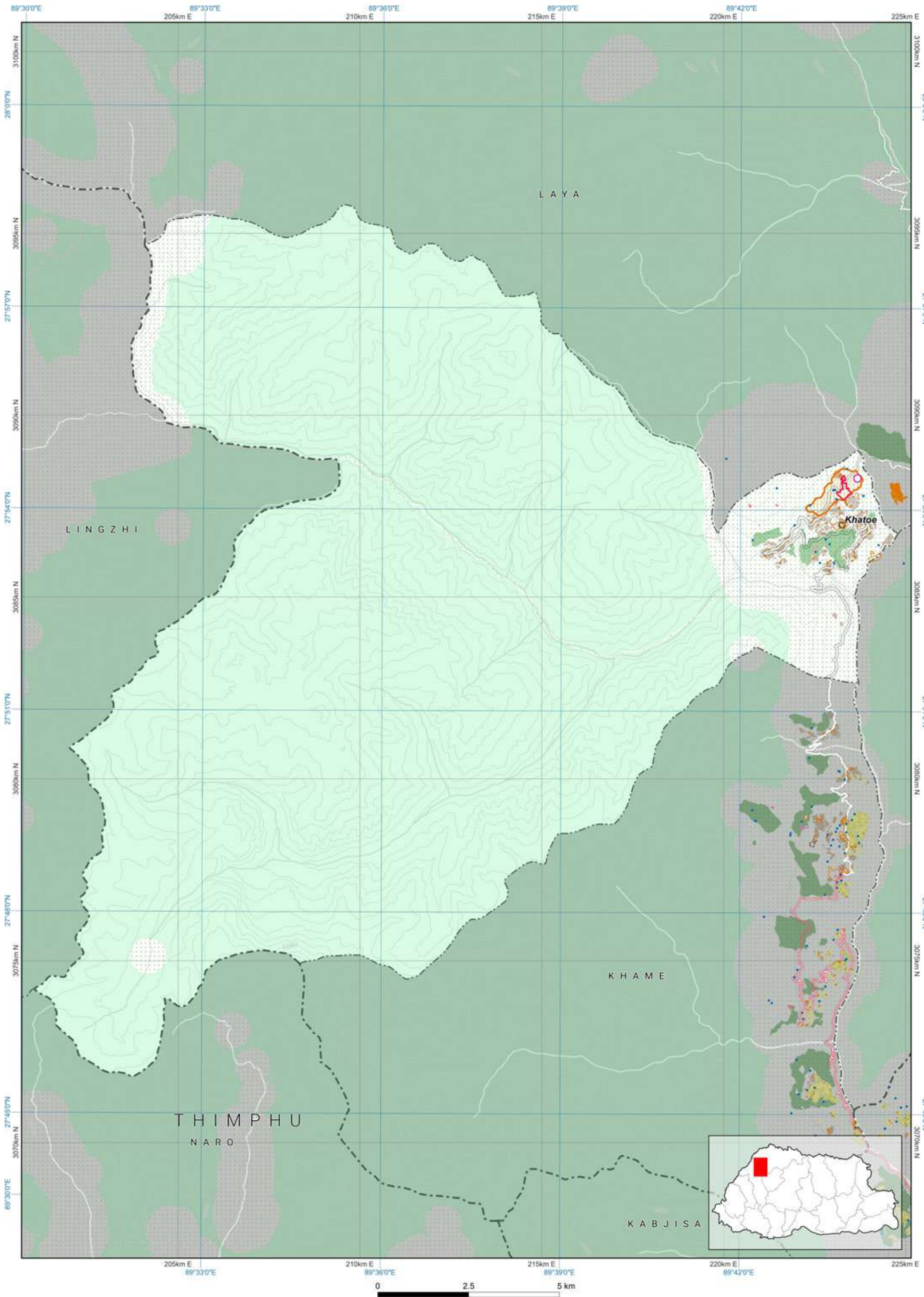
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake
    - Outburst Flood
    - Right Of Way / Buffer
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  - Other Effective Area-based Conservation Measures
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    - Tsamdro
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  - Roads for different map scales
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    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Gasa: Khatoe

National Land Use Zoning 2023



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Data Ownership

Data Owner of the Map Content

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Culture and Dzongkha Development  
Ministry of Home Affairs

Department of Air Transport  
Ministry of Infrastructure and Transport

Department of Human Settlement  
Ministry of Infrastructure and Transport

National Centre for Hydrology and Meteorology

National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Khatoe	150	166	316	90.4	54.7	69
Gasa Town	482	297	779	162.3	13.7	229





LAYA

## Zone Area

Gewog	Laya
Gewog code	403
Gewog area	239052.856

Zone	Area
Agriculture	301.193
Cultural Heritage	4.106
Industrial	0.703
NCA	239052.856
Rangeland	0
Rural Settlement	75.368
SFMA	271.103
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

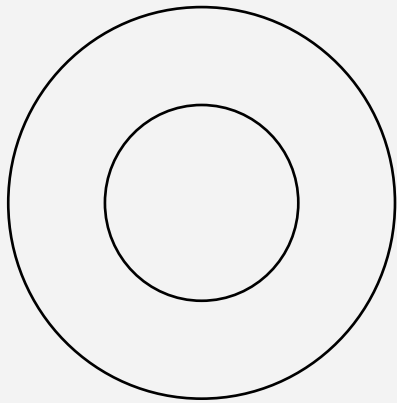
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	271.103	0.00	0	0	0	0	0
NCA	271.103	0	307.89	0	4.106	0.703	75.368	0
Agriculture	0.00	307.89	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	4.106	0	0	0	0	0	0
Industrial	0	0.703	0	0	0	0	0	0
Rural Settlement	0	75.368	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
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  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park

- Wetland
  - Ramsar Site

- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer

- Heritage
  - Road
  - Powerlines
  - Flight Funnel

- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value

- Rangeland
  - Tsamdro

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  - Potential Recharge Area
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  - Water Sources

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  - Manufacturing and Production
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  - Helipad
  - Hydro Power Plants
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- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour

- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
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  - Dzongkhag 25k
  - Dzongkhag 5k

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- Thromde 25k
- Thromde 5k
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## Data Ownership

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Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
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Ministry of Infrastructure and Transport

National Centre for Hydrology and Meteorology

National Land Commission Secretariat

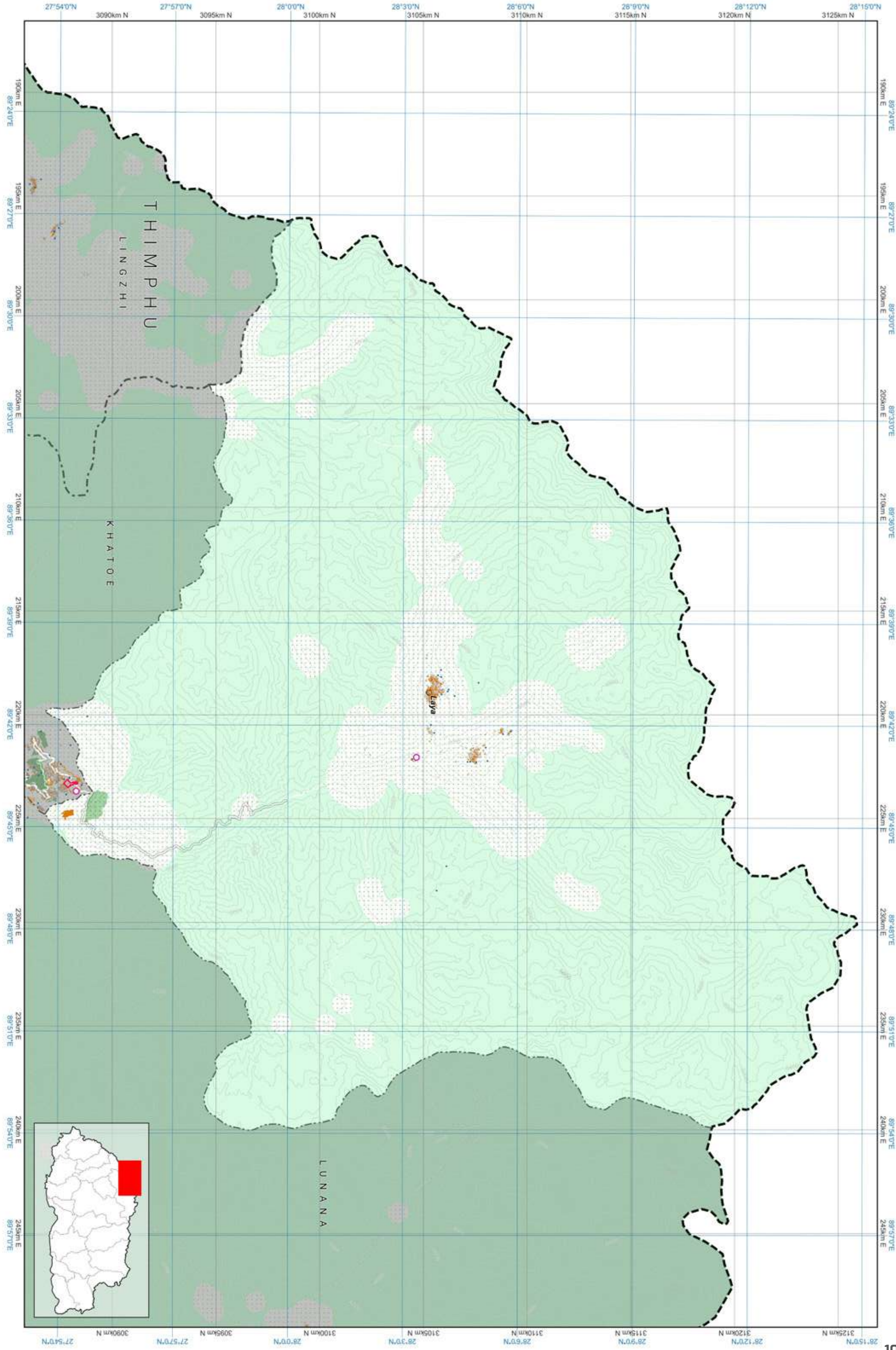
## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population			Sex ratio	Aging Index
	Male	Female	Total		
Laya	579	496	1,075	116.7	23.4

Disclaimer: This map, designed by NLCs, is an essential component of the limited edition of NLC's Baseline report 2023 and should be used along with the report. More specific information on the data is available from the digital owner table on the opposite page.

0 1.25 2.5 km

The scale of this map is determined by the geospatial data used. If required, the scale of the map can be determined from the geospatial data used.



Gasa: Laya

National Land Use Zoning 2023







Zone Area

Gewog	Lunana
Gewog code	404
Gewog area	427941.659

Zone	Area
Agriculture	157.13
Cultural Heritage	0.511
Industrial	0.55
NCA	427940.605
Rangeland	0
Rural Settlement	46.302
SFMA	0
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

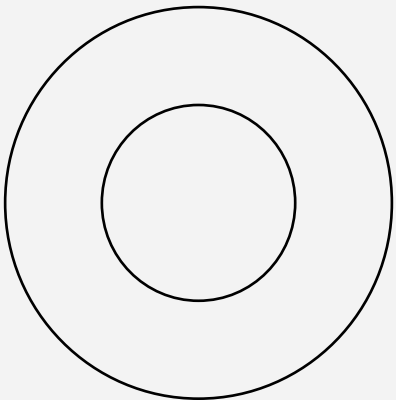
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	0	0	0	0	0
NCA	0	0	157.13	0	0.511	0.55	46.302	0
Agriculture	0.00	157.13	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0.511	0	0	0	0	0	0
Industrial	0	0.55	0	0	0	0	0	0
Rural Settlement	0	46.302	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population		Sex ratio	Aging Index	Number of household
	Male	Female			
Lunana	348	351	699	99.1	20.3

Mean Household size	
177	3.8

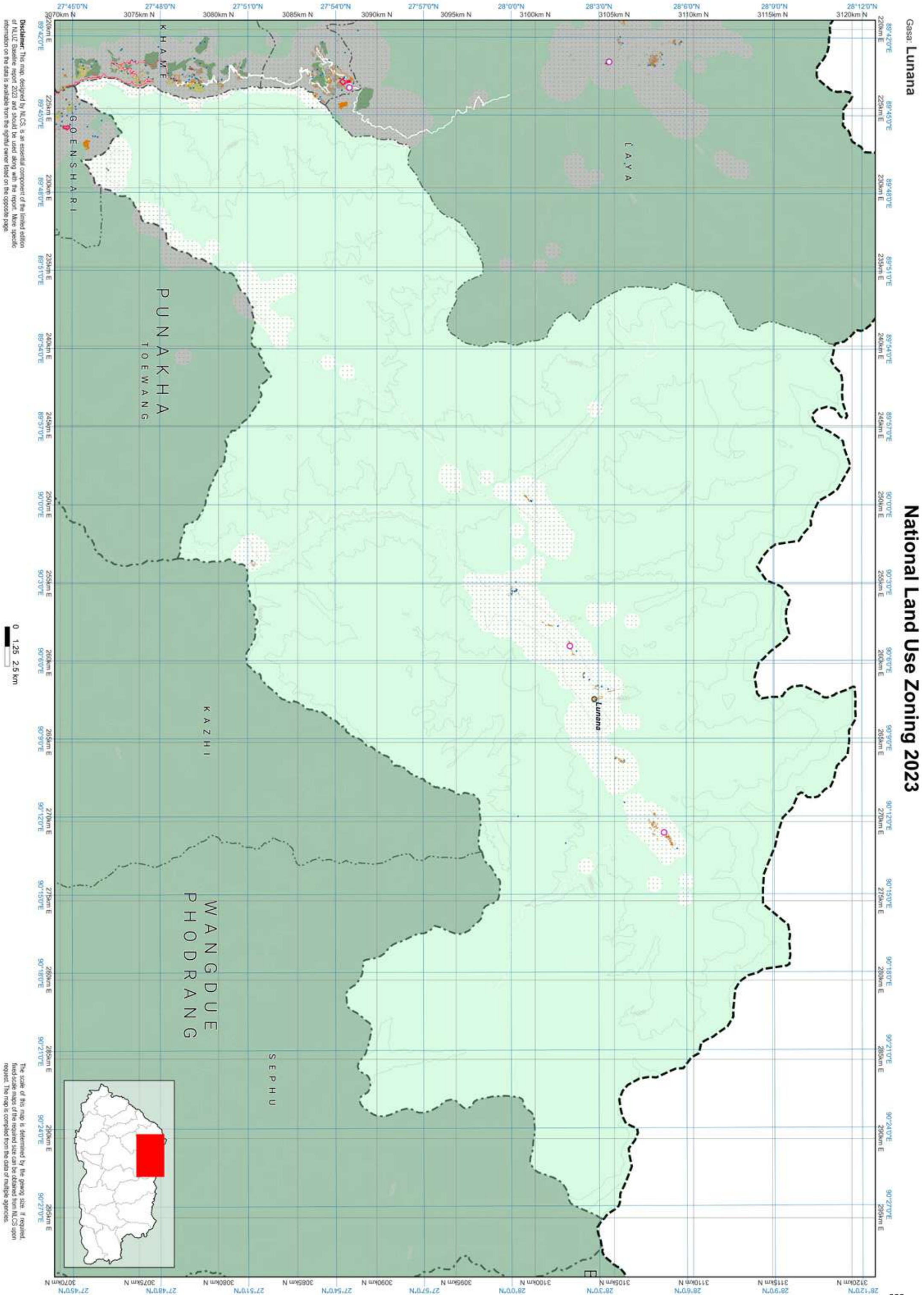
Data Ownership

Data Owner of the Map Content
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Air Transport Ministry of Infrastructure and Transport
National Centre for Hydrology and Meteorology
National Land Commission Secretariat

Map Legend

National Land Use Zoning

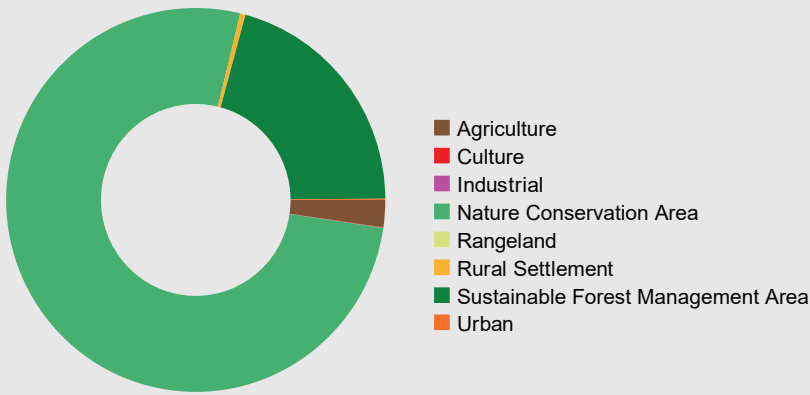
- Agricultural Land
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  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
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  - Residential Land
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    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k





Zone Area

Dzongkhag	Haa
Dzongkhag code	05
Dzongkhag area	470526.744
Zone	Area
Agriculture	6426.185
Culture	116.804
Industrial	48.277
NCA	215179.838
Rangeland	0
Rural Settlement	1302.623
SFMA	58182.836
Urban	293.846



Zone Conflict

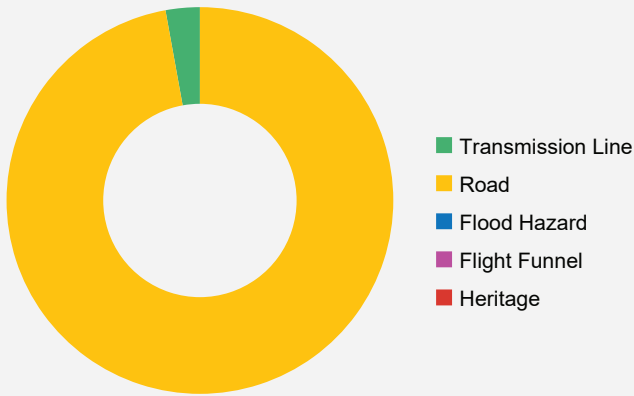
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	11.929	340.38	0	2.296	1.052	44.726	0
NCA	11.929	0	0	0	0	0	0.051	0
Agriculture	340.38	0	0	13.86	0.461	0.001	0	0
Urban	0	0	13.86	0	0.922	0	44.992	0
Culture	2.296	0	0.461	0.922	0	0	68.399	0
Industrial	1.052	0	0.001	0	0	0	0.06	0
Rural Settlement	44.726	0.051	0	44.992	68.399	0.06	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	5.974	0	5.136	0	0	0	0.425	0
Road	349.936	138.974	61.733	0	1.532	0.47	18.926	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	27.949
Road	952.115
Flood Hazard	0
Flight Funnel	0
Heritage	0

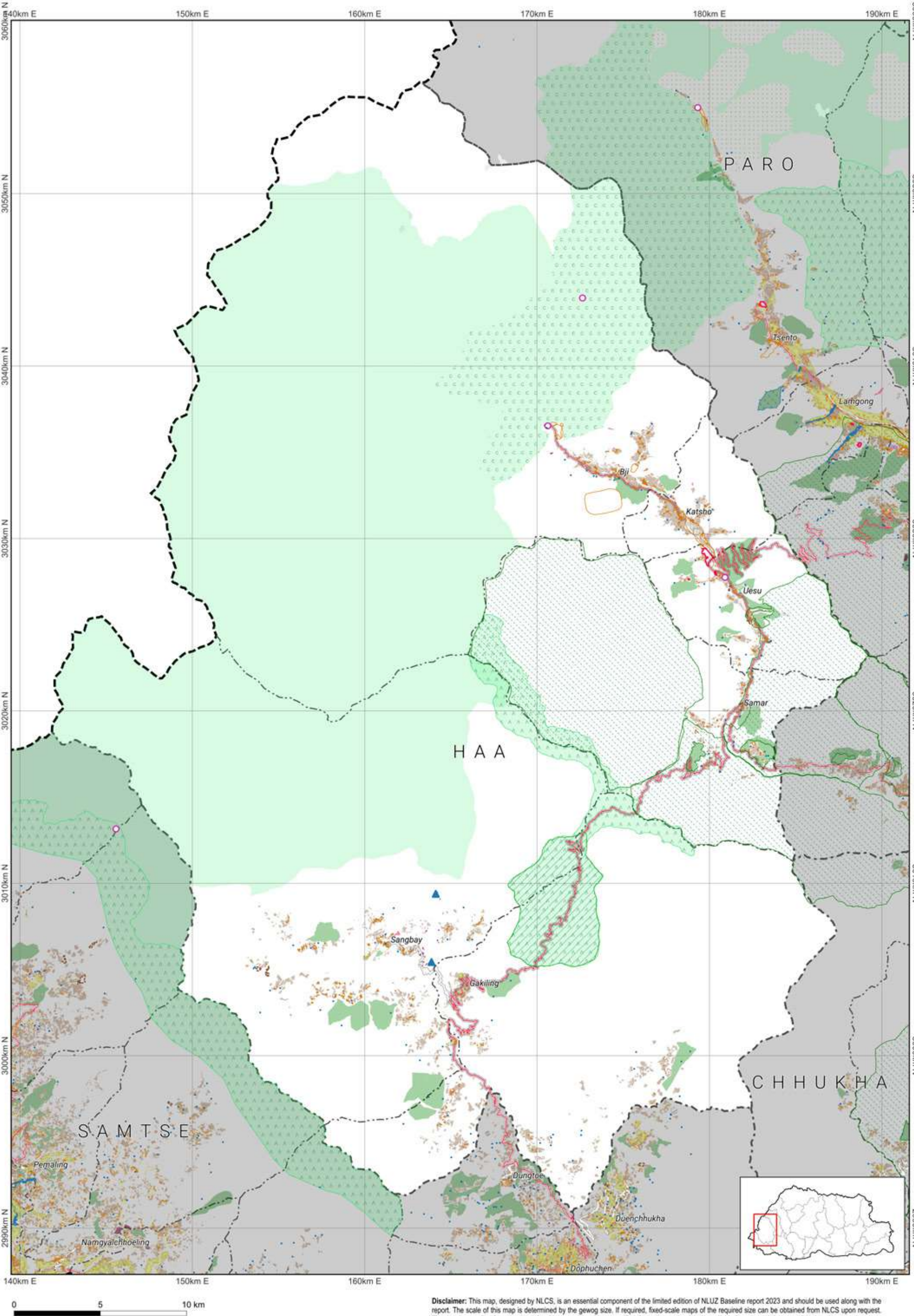


Map Legend

- National Land Use Zoning**
- Agricultural Land**
    - Kamzhing
    - Protected Chhuzhing
    - Regulated Chhuzhing
    - Lease Land
  - Rural Settlement**
    - Residential Land
    - Institutional Land
  - Sustainable Forest Management Area**
    - Forest Management Unit
    - Community Forest
  - Cultural Heritage**
    - Religious Sites
    - Heritage Village
    - Heritage Conservation Zone
  - Urban**
    - Urban Zone
  - Nature Conservation Area**
    - Protected Area**
      - Core Zone
      - Transition Zone
      - Buffer Zone
      - Multi Use Zone
      - Biological Corridor / Botanical Park
    - Wetland**
      - Ramsar Site
    - Hazard and Risk**
      - Rain Induced Flood
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Haa

National Land Use Zoning 2023



HAA

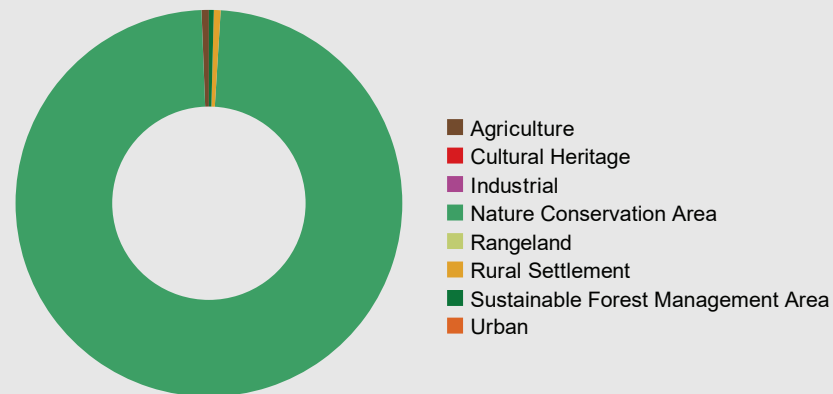


Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Haa	7,435	6,220	13,655	119.5	21.6	2,952

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Gewog	Bji
Gewog code	501
Gewog area	185041.548
Zone	Area
Agriculture	904.307
Cultural Heritage	5.553
Industrial	7.934
NCA	146192.816
Rangeland	0
Rural Settlement	844.066
SFMA	602.325
Urban	0



	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	5.955	0	0	0	0	0	0
NCA	5.955	0	0	0	0	0	0.051	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0.051	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	6.221	0	5.291	0	0	0.396	7.032	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

Buffer Zone	Area
Transmission Line	0
Road	68,146
Flood Hazard	0
Flight Funnel	0
Heritage	0

**Agricultural Land**

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

**Rural Settlement**

- Residential Land
- Institutional Land

**Sustainable Forest Management Area**

- Forest Management Unit
- Community Forest

**Cultural Heritage**

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

**Urban**

- Urban Zone

**Nature Conservation Area**

**Protected Area**

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

**Wetland**

- Ramsar Site

**Hazard and Risk**

- Rain Induced Flood
- Glacier Lake
- Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

**Other Effective Area-based Conservation Measures**

- Key Biodiversity Area
- High Conservation Value

**Rangeland**

- Tsamdro

**Significant Watershed**

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

**Industrial**

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

**Boundaries**  
International ———  
Dzongkhag ———  
Gewog - - -

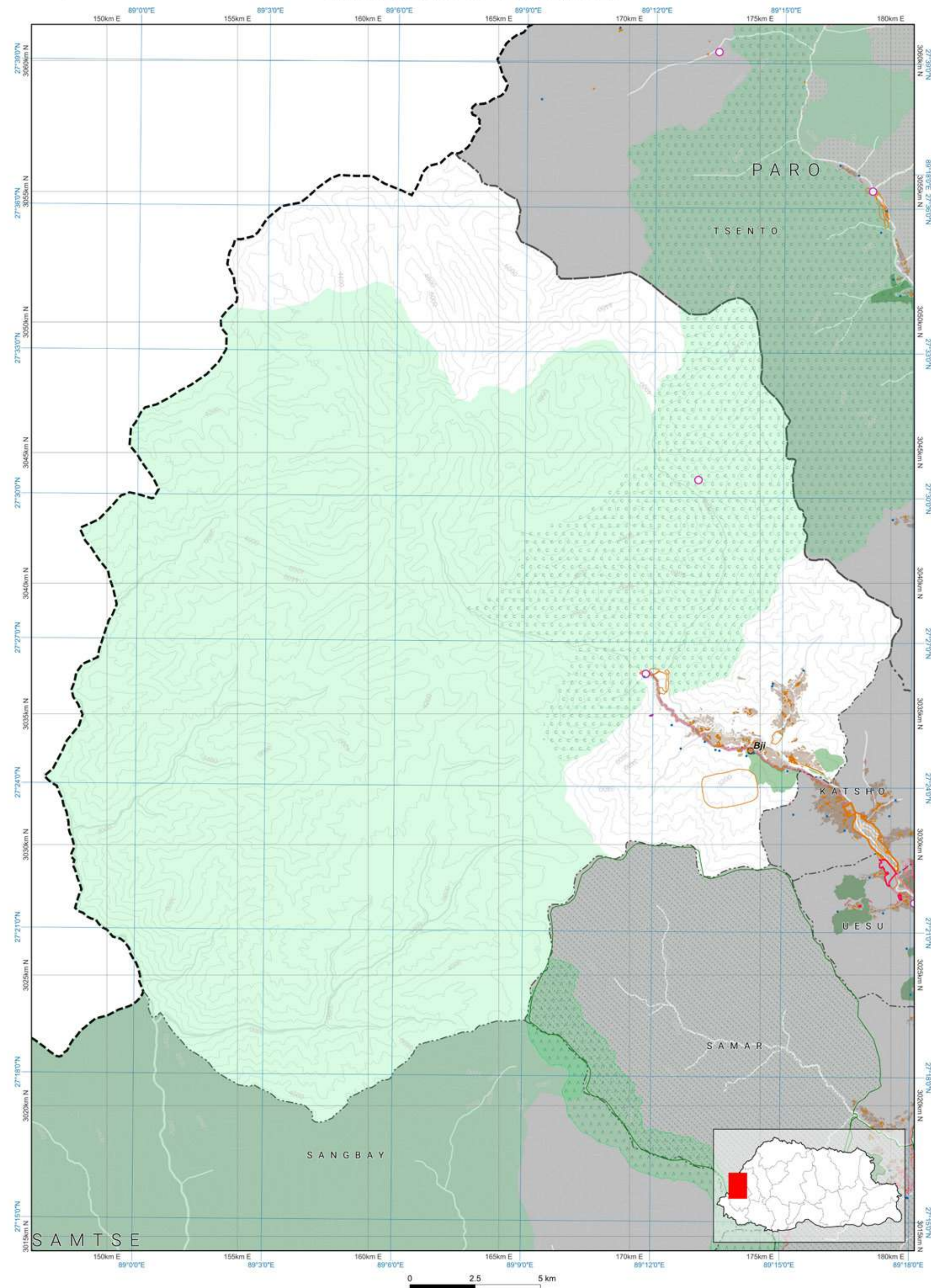
**Rivers**  
Main river ———  
Perennial - - -

**Terrain**  
Contour ———

**Roads for different map scales**  
Thromde 50k ———  
Thromde 25k ———  
Thromde 5k ———  
Access 5k ———  
Industrial 5k ———  
Farm 5k ———

Data Owner of the Map Content	
Department of Forests and Park Services	Ministry of Energy and Natural Resources
Department of Water	Ministry of Energy and Natural Resources
Department of Air Transport	Ministry of Infrastructure and Transport
Department of Surface Transport	Ministry of Infrastructure and Transport
National Centre for Hydrology and Meteorology	
National Land Commission Secretariat	

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Bji	1,710	1,611	3,321	106.1	15.2	696	3.6

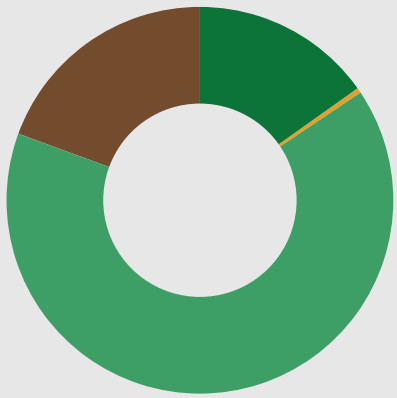
Haa: **Bji**

The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NILCS upon request. The map is compiled from the data of multiple agencies.



Zone Area

Gewog	Gakiling
Gewog code	506
Gewog area	83845.976
Zone	Area
Agriculture	1735.386
Cultural Heritage	1.118
Industrial	0.61
NCA	5855.902
Rangeland	0
Rural Settlement	38.622
SFMA	1354.026
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
- Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0.06	0
Rural Settlement	0	0	0	0	0	0.06	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	3.465	106.576	20.773	0	0	0.004	0.242	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	339.133
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Gakiling	743	549	1,292	135.3	26.1	288

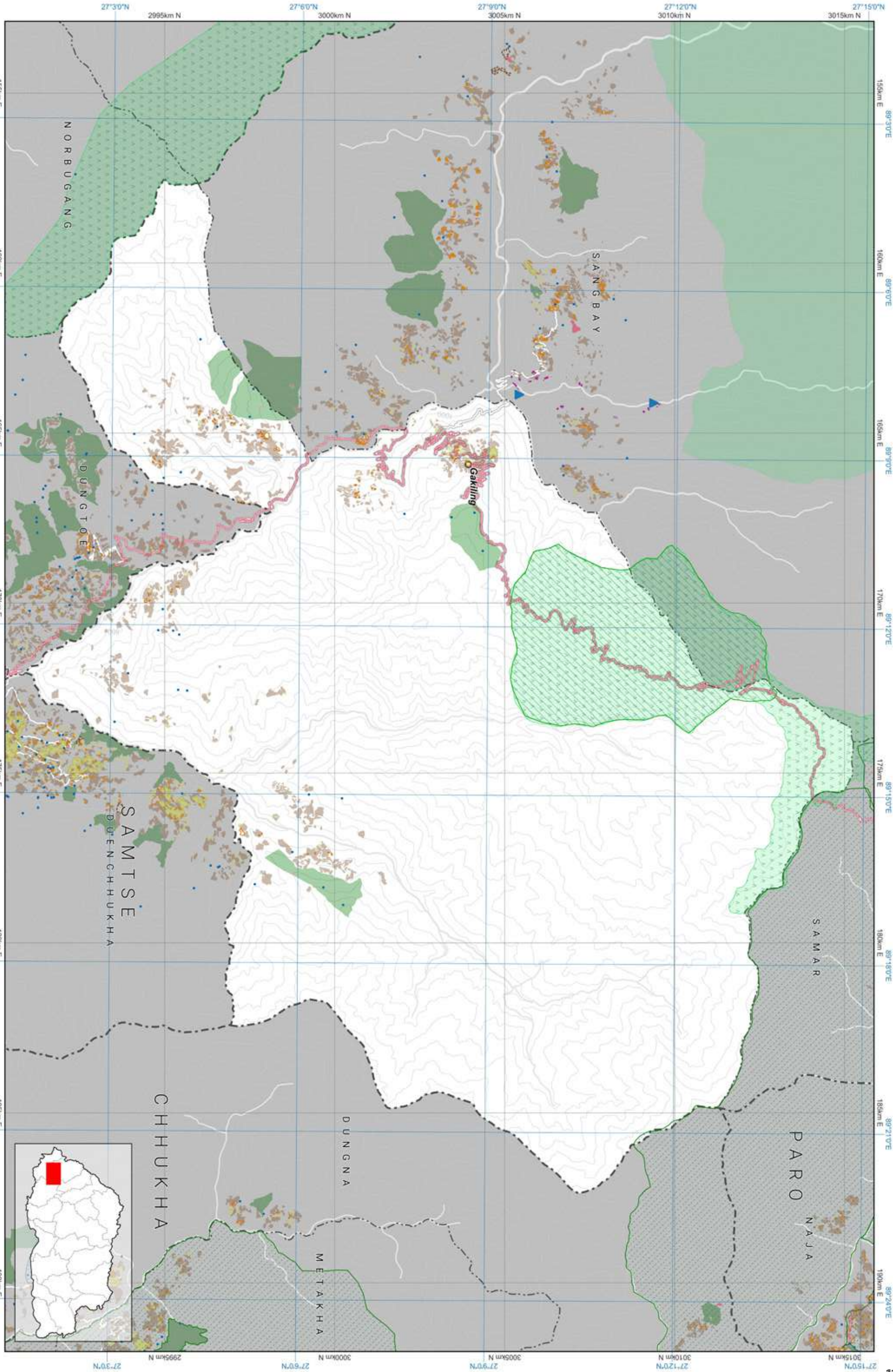
Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

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0 1.25 2.5 km

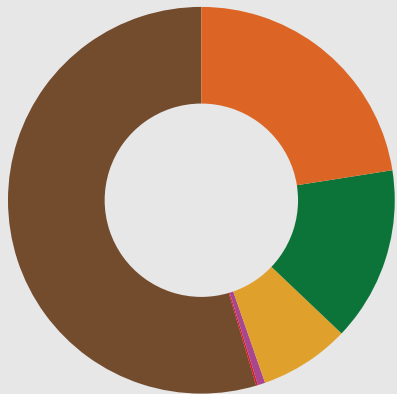
The scale of this map is determined by the gewog size. If required, base-scale maps of the required size can be obtained from NLC upon request. This map is compiled from the data of multiple agencies.





Zone Area

Gewog	Katsho
Gewog code	503
Gewog area	10043.81
Zone	Area
Agriculture	701.636
Cultural Heritage	1.952
Industrial	7.978
NCA	0
Rangeland	0
Rural Settlement	97.208
SFMA	187.345
Urban	289.517



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0.109	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	13.86	0	0	0	0
Urban	0	0	13.86	0	0.922	0	42.249	0
Culture	0	0	0	0.922	0	0	0.001	0
Industrial	0.109	0	0	0	0	0	0	0
Rural Settlement	0	0	0	42.249	0.001	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	4.753	0	5.136	0	0	0	0.425	0
Road	13.906	0	9.531	0	0	0.049	1.664	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	15.831
Road	46.792
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

■ Agricultural Land  
■ Kamzhing  
■ Protected Chhuzhing  
■ Regulated Chhuzhing  
■ Lease Land  
■ Rural Settlement  
■ Residential Land  
■ Institutional Land  
■ Sustainable Forest Management Area  
■ Forest Management Unit  
■ Community Forest  
■ Cultural Heritage  
■ Religious Sites  
■ Heritage Village  
■ Heritage Conservation Zone  
■ Urban  
■ Urban Zone

Nature Conservation Area

■ Protected Area  
■ Core Zone  
■ Transition Zone  
■ Buffer Zone  
■ Multi Use Zone  
■ Biological Corridor / Botanical Park  
■ Wetland  
■ Ramsar Site  
■ Hazard and Risk  
■ Rain Induced Flood  
■ Glacier Lake  
■ Outburst Flood  
■ Right Of Way / Buffer  
■ Heritage  
■ Road  
■ Powerlines  
■ Flight Funnel

Other Effective Area-based Conservation Measures

■ Key Biodiversity Area  
■ High Conservation Value  
■ Rangeland  
■ Tsamdro  
■ Significant Watershed  
■ Potential Recharge Area  
■ Payment for Ecosystem Services  
■ Water Sources

Industrial

■ Manufacturing and Production  
■ Service  
■ Existing mines  
■ Airport  
■ Helipad  
■ Hydro Power Plants  
■ Hydro Power Waterways

Basemap

Boundaries

■ International  
■ Dzongkhag  
■ Gewog

Rivers

■ Main river  
■ Perennial

Terrain

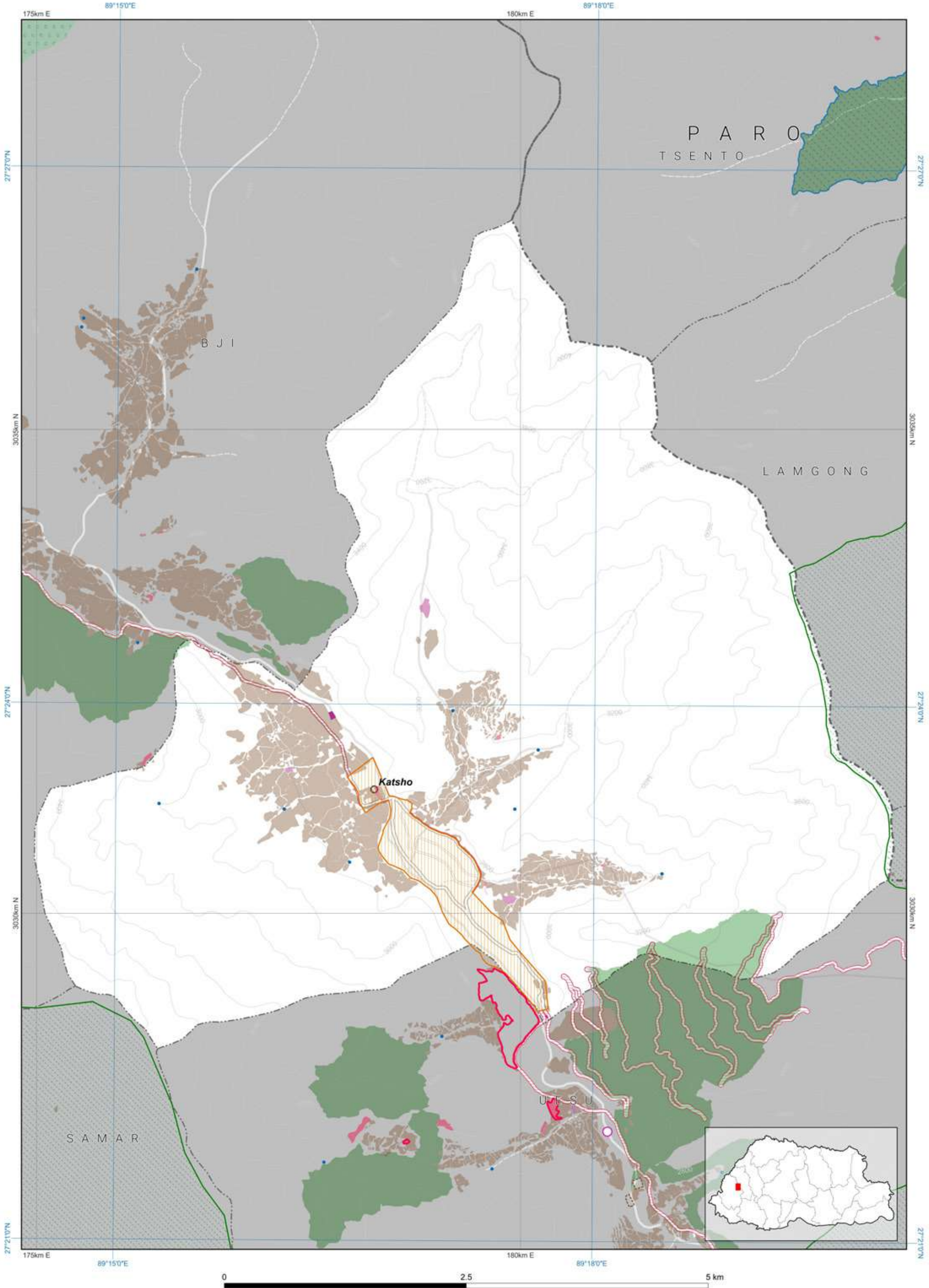
■ Contour

Roads for different map scales

■ Highway 300k  
■ Highway 50k  
■ Highway 25k  
■ Highway 5k  
■ Dzongkhag 50k  
■ Dzongkhag 25k  
■ Dzongkhag 5k  
■ Thromde 50k  
■ Thromde 25k  
■ Thromde 5k  
■ Access 5k  
■ Industrial 5k  
■ Farm 5k

Haa: Katsho

National Land Use Zoning 2023



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The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.

Data Ownership

Data Owner of the Map Content

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Culture and Dzongkha Development  
Ministry of Home Affairs

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Katsho	794	688	1,482	115.4	33.6	3.7
Haa Town	1,419	1,177	2,596	120.6	13.6	3.7



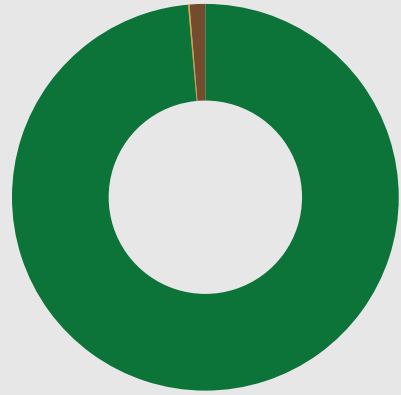


SAMAR

## Zone Area

Gewog	Samar
Gewog code	504
Gewog area	49711.878

Zone	Area
Agriculture	594.103
Cultural Heritage	7.254
Industrial	0.45
NCA	0
Rangeland	0
Rural Settlement	53.289
SFMA	45416.784
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	227.604	0	1.984	0.202	22.733	0
NCA	0	0	0	0	0	0	0	0
Agriculture	227.604	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	1.984	0	0	0	0	0	0	0
Industrial	0.202	0	0	0	0	0	0	0
Rural Settlement	22.733	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	32.398	0.26	0	0	0	1.307	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	60.26
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

### Nature Conservation Area

#### Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

#### Wetland

- Ramsar Site

#### Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

#### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

#### Rangeland

- Tsamdro

#### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

#### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

#### Basemap

##### Boundaries

- International
- Dzongkhag
- Gewog

##### Rivers

- Main river
- Perennial

##### Terrain

- Contour

##### Roads for different map scales

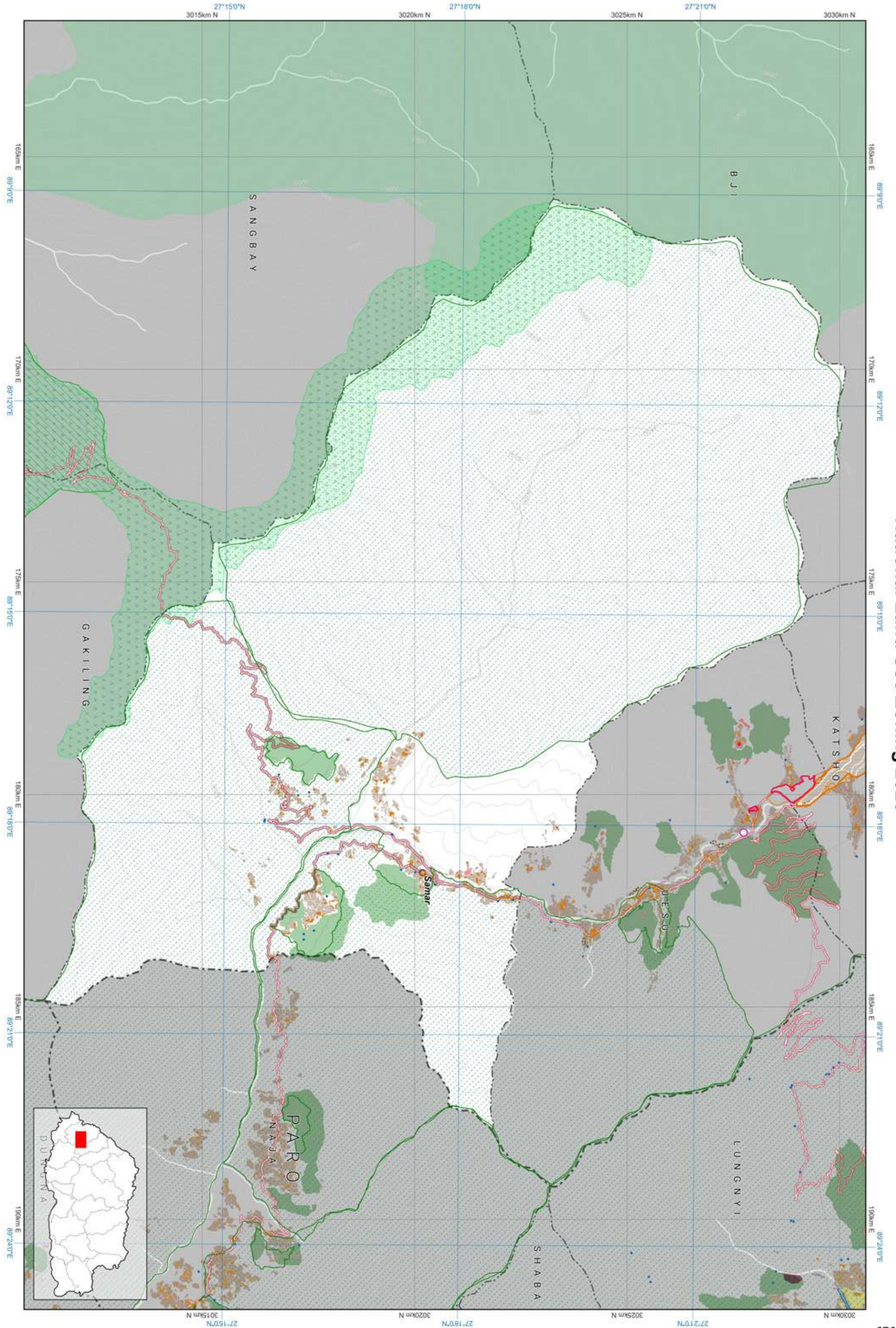
- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k

- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

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Haa: Samar

National Land Use Zoning 2023

HAA



## Data Ownership

Data Owner of the Map Content
Department of Forests and Park Services
Ministry of Energy and Natural Resources
Department of Water
Ministry of Energy and Natural Resources
Department of Surface Transport
Ministry of Infrastructure and Transport
National Land Commission Secretariat

## Demographic Table

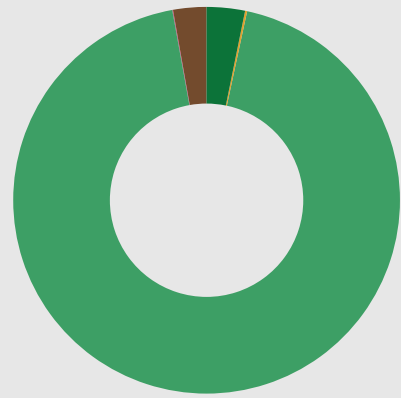
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Samar	509	491	1,000	103.7	50.0	217
Jyenkana Town	261	241	502	108.3	11.6	91



Zone Area

Gewog	Sangbay
Gewog code	505
Gewog area	125501.637

Zone	Area
Agriculture	1854.601
Cultural Heritage	18.063
Industrial	27.19
NCA	63131.12
Rangeland	0
Rural Settlement	116.682
SFMA	2133.89
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	5.974	0	0	0	0	0	0
NCA	5.974	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0.001	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0.001	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	189.14	0	12.785	0	0	0	2.416	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	223.776
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake
- Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

Rangeland

- Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour

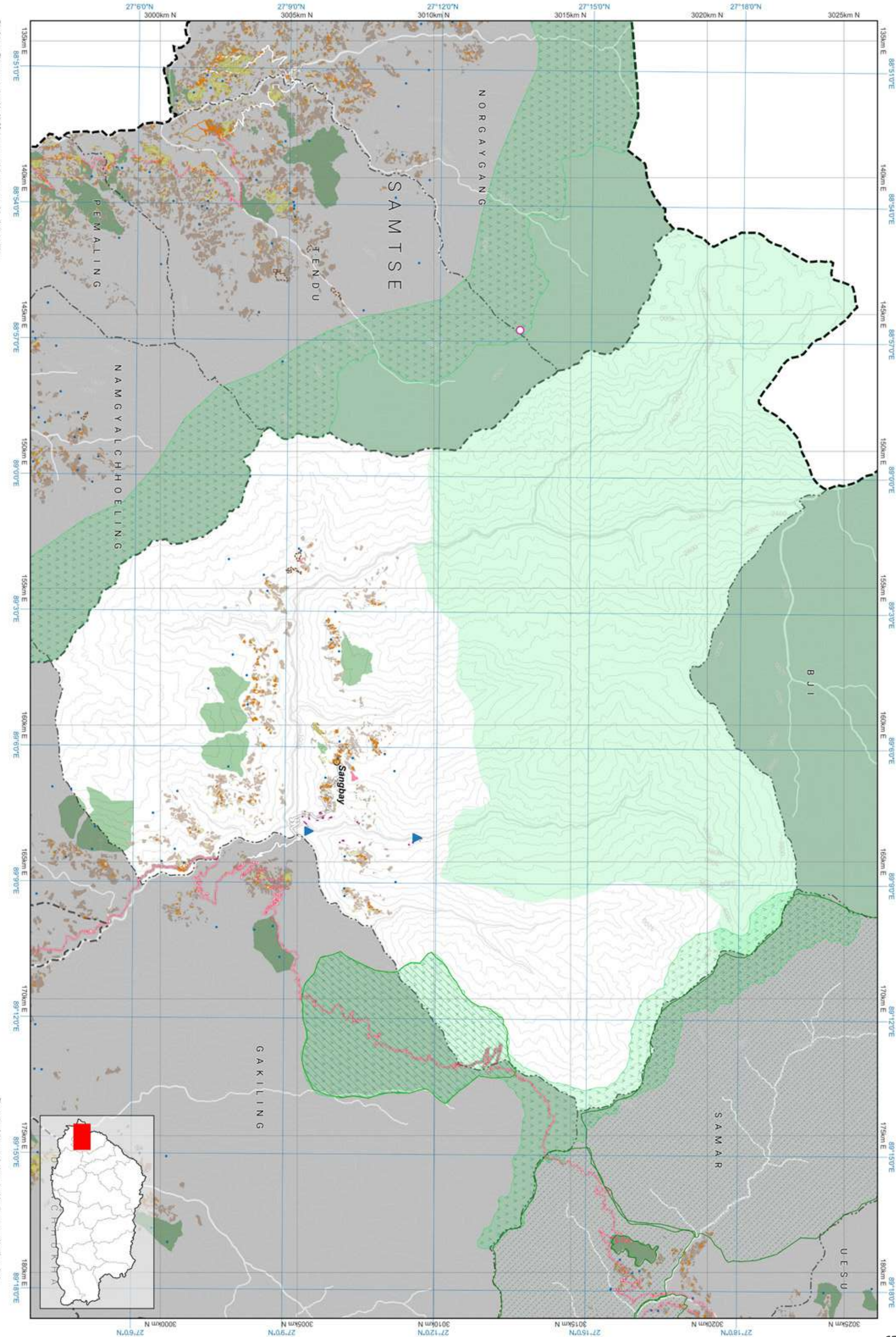
Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

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Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

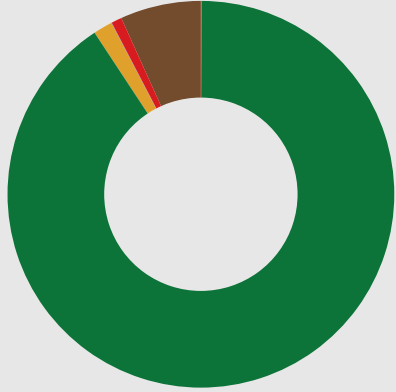
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Sangbay	472	439	911	107.5	38.8	255

Mean Household size	3.3
---------------------	-----



Zone Area

Gewog	Uesu
Gewog code	502
Gewog area	16381.895
Zone	Area
Agriculture	636.15
Cultural Heritage	82.863
Industrial	4.115
NCA	0
Rangeland	0
Rural Settlement	152.757
SFMA	8488.286
Urban	4.328



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	113.48	0	0.313	0.741	21.993	0
NCA	0	0	0	0	0	0	0	0
Agriculture	113.48	0	0	0	0.461	0	0	0
Urban	0	0	0	0	0	0	2.742	0
Culture	0.313	0	0.461	0	0	0	68.398	0
Industrial	0.741	0	0	0	0	0	0	0
Rural Settlement	21.993	0	0	2.742	68.398	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	1.221	0	0	0	0	0	0	0
Road	137.204	0	13.094	0	1.532	0.021	6.266	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	12.118
Road	214.008
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
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    - Gewog
  - Rivers
    - Main river
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    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

Data Owner of the Map Content

- Department of Energy
  - Ministry of Energy and Natural Resources
- Department of Forests and Park Services
  - Ministry of Energy and Natural Resources
- Department of Water
  - Ministry of Energy and Natural Resources
- Department of Culture and Dzongkha Development
  - Ministry of Home Affairs
- Department of Air Transport
  - Ministry of Infrastructure and Transport
- Department of Human Settlement
  - Ministry of Infrastructure and Transport
- Department of Surface Transport
  - Ministry of Infrastructure and Transport
- National Land Commission Secretariat

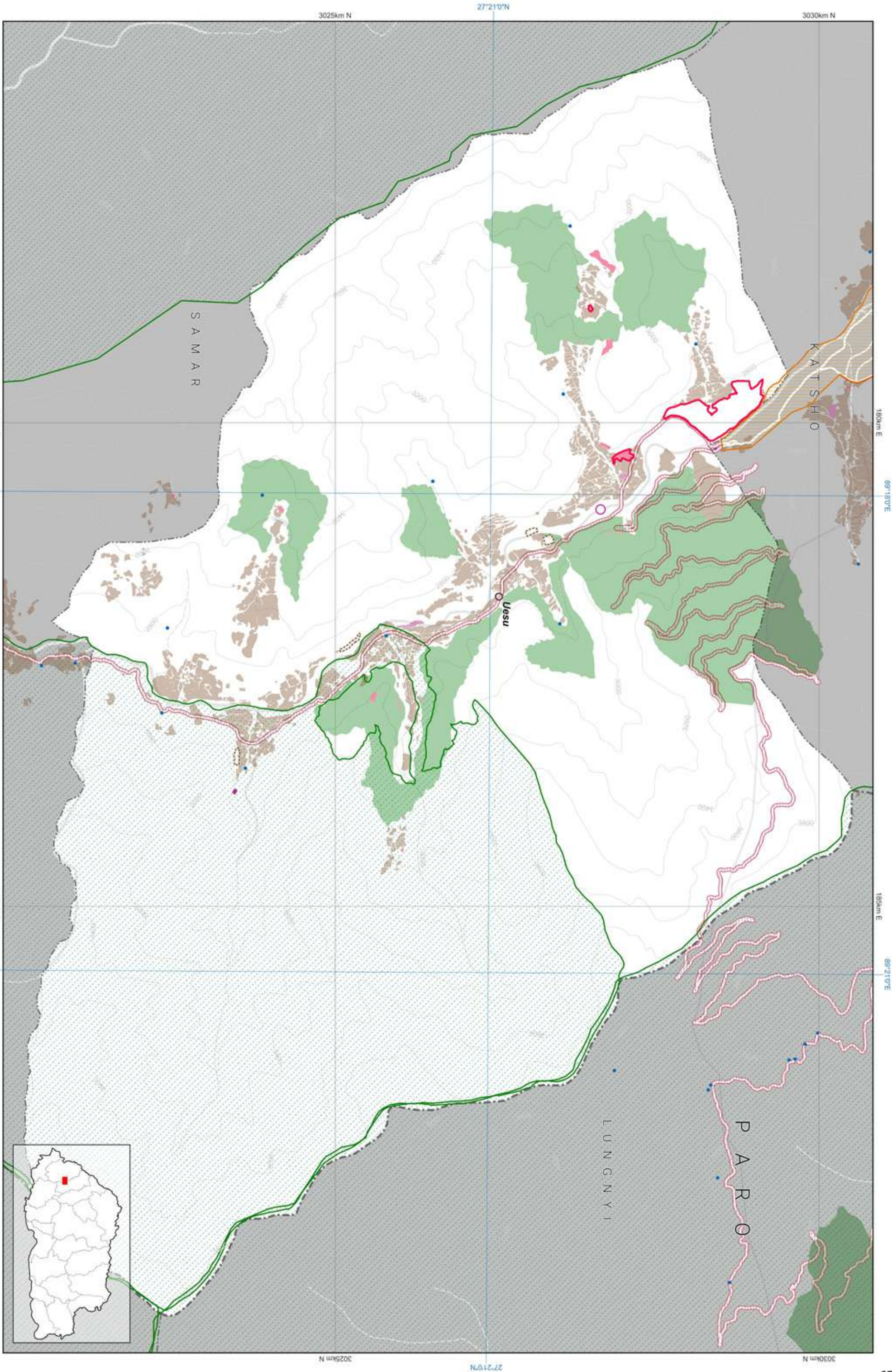
Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Uesu	1,527	1,024	2,551	149.1	20.4	520
						3.7

Disclaimer: This map, designed by NLCB, is an essential component of the limited edition of NLCZ Baseline report 2023 and should be used along with the report. More specific information on the data is available from the digital vector files on the opposite page.



The scale of this map is determined by the geotag size. If required, base-scale maps of the required size can be obtained from NLCB upon request. This map is compiled from the data of multiple agencies.

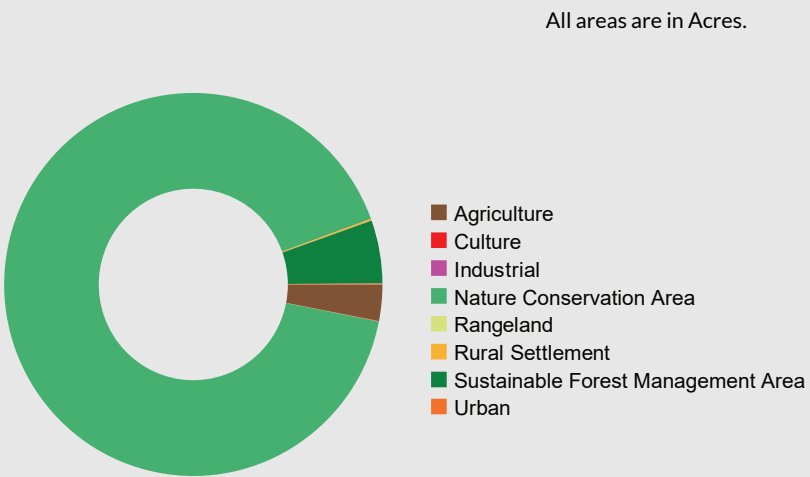




Zone Area

Dzongkhag	Lhuentse
Dzongkhag code	06
Dzongkhag area	707294.769

Zone	Area
Agriculture	15047.575
Culture	180.177
Industrial	31.362
NCA	477899.685
Rangeland	0
Rural Settlement	786.294
SFMA	26130.459
Urban	408.143



Zone Conflict

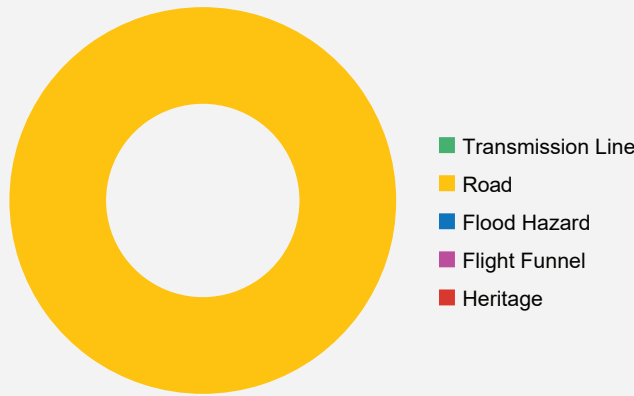
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	6176.956	1,252.98	0.322	26.721	0.431	42.789	0
NCA	6176.956	0	2,868.06	2.995	45.412	2.476	136.318	0
Agriculture	1,252.98	2,868.06	0	18.871	1.314	0	0	0
Urban	0.322	2.995	18.871	0	8.884	0.069	45.815	0
Culture	26.721	45.412	1.314	8.884	0	0	0	0
Industrial	0.431	2.476	0	0.069	0	0	0	0
Rural Settlement	42.789	136.318	0	45.815	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0.000	0	0	0	0	0
Road	66.017	180.937	28.344	0	0	0.452	3.214	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	591.395
Flood Hazard	0
Flight Funnel	0
Heritage	0



Demographic Table

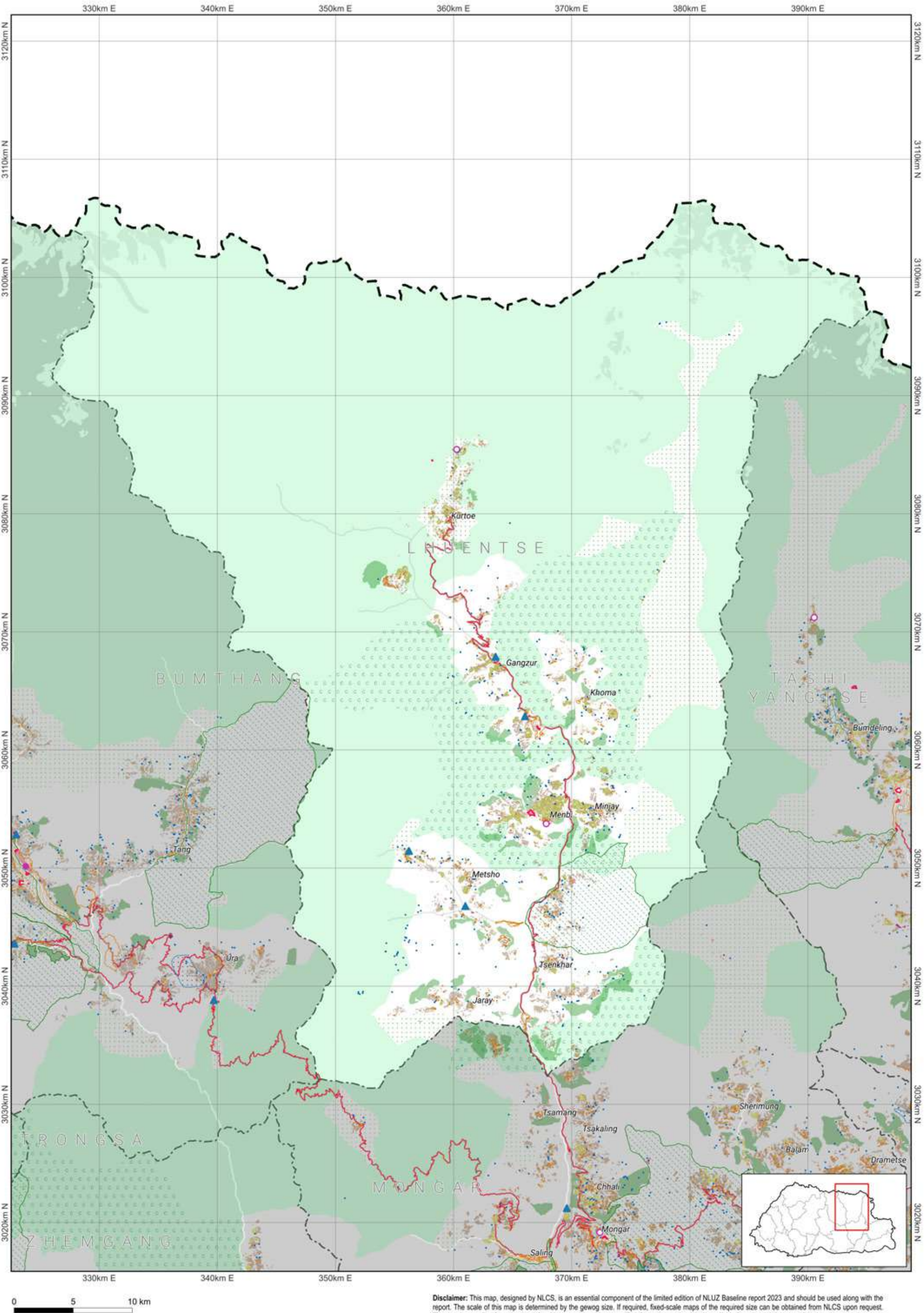
Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Lhuentse	7,407	7,030	14,437	105.4	27.4	3,111

Map Legend

- National Land Use Zoning**
- Agricultural Land
    - Kamzhing
    - Protected Chhuzhing
    - Regulated Chhuzhing
    - Lease Land
  - Rural Settlement
    - Residential Land
    - Institutional Land
  - Sustainable Forest Management Area
    - Forest Management Unit
    - Community Forest
  - Cultural Heritage
    - Religious Sites
    - Heritage Village
    - Heritage Conservation Zone
  - Urban
    - Urban Zone
  - Nature Conservation Area
    - Protected Area
      - Core Zone
      - Transision Zone
      - Buffer Zone
      - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake
    - Outburst Flood
    - Right Of Way / Buffer
  - Heritage
    - Heritage
    - Road
    - Powerlines
    - Flight Funnel
  - Other Effective Area-based Conservation Measures
    - Key Biodiversity Area
    - High Conservation Value
  - Rangeland
    - Tsamdro
  - Significant Watershed
    - Potential Recharge Area
    - Payment for Ecosystem Services
    - Water Sources
  - Industrial
    - Manufacturing and Production
    - Service
    - Existing mines
    - Airport
    - Helipad
    - Hydro Power Plants
    - Hydro Power Waterways
- Basemap**
- Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Lhuentse

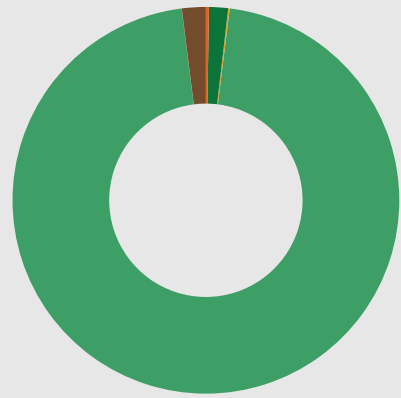
National Land Use Zoning 2023





## Zone Area

Gewog	Gangzur
Gewog code	601
Gewog area	132519.002
Zone	Area
Agriculture	2383.496
Cultural Heritage	30.427
Industrial	2.896
NCA	115206.657
Rangeland	0
Rural Settlement	152.611
SFMA	1907.022
Urban	306.291



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	1196.819	1.341	0	0	0	0	0
NCA	1196.819		501.05	0	0.605	0.098	40.006	0
Agriculture	1.341	501.05		4.195	0	0	0	0
Urban	0	0	4.195		8.881	0.069	44.8	0
Culture	0	0.605	0	8.881		0	0	0
Industrial	0	0.098	0	0.069	0		0	0
Rural Settlement	0	40.006	0	44.8	0	0		0
Rangeland	0	0	0	0	0	0	0	

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	6.221	11.476	0	0	0	0.607	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	229.301
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone

- Urban
  - Urban Zone

### Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park

- Wetland
  - Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

- Rangeland
  - Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog

- Rivers
  - Main river
  - Perennial

- Terrain
  - Contour

- Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Data Ownership

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Ministry of Energy and Natural Resources

Department of Geology and Mines  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

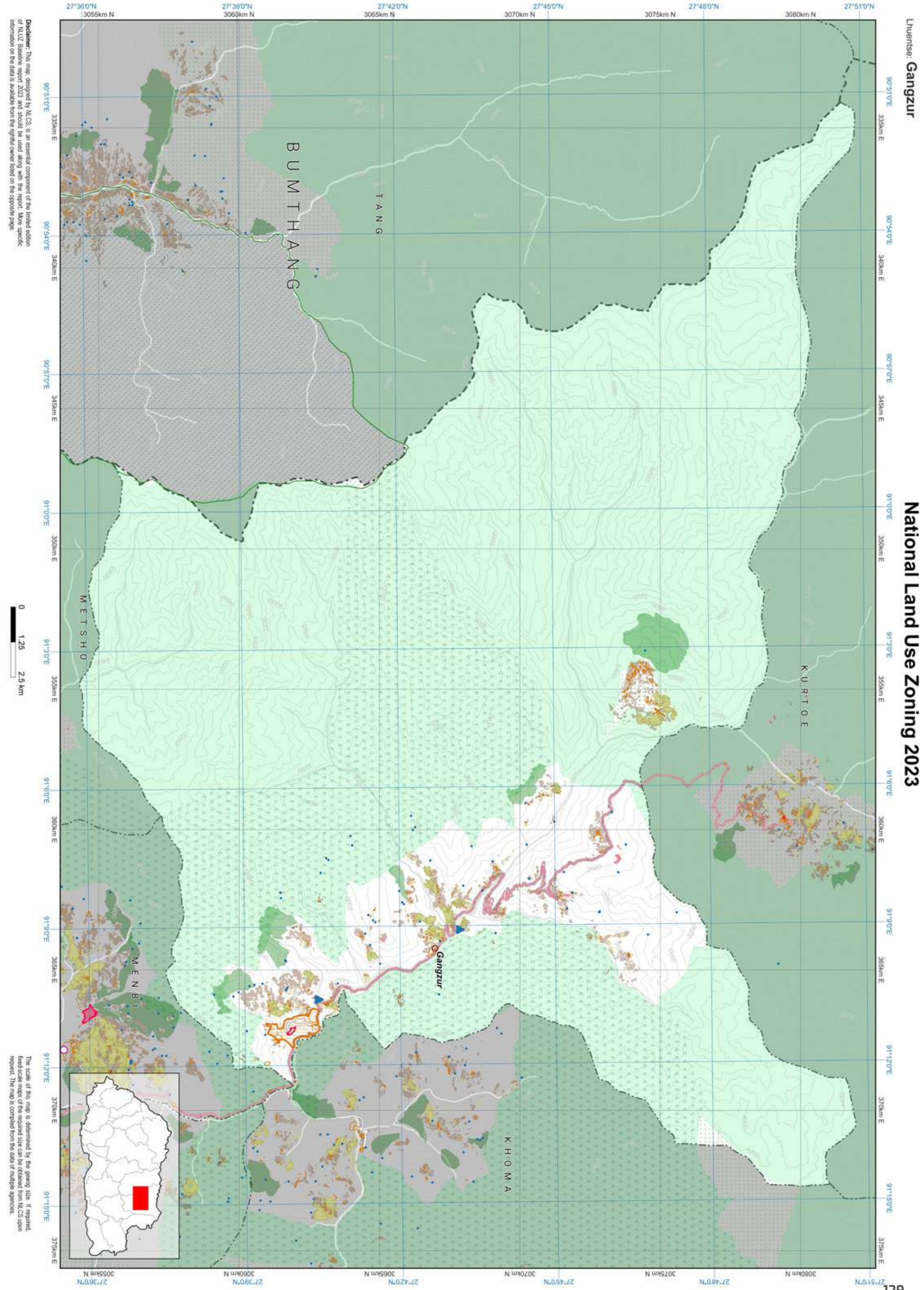
Department of Culture and Dzongkha Development  
Ministry of Home Affairs

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Gangzur	1,141	1,121	2,262	101.8	31.8	4.2
Lhuentse Town	897	603	1,500	148.8	8.5	3.6



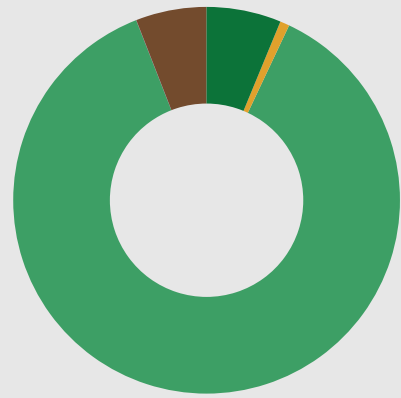


JARAY

## Zone Area

Gewog	Jaray
Gewog code	602
Gewog area	34220.761

Zone	Area
Agriculture	1211.707
Cultural Heritage	2.849
Industrial	0.192
NCA	17810.851
Rangeland	0
Rural Settlement	161.033
SFMA	1275.757
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	12.936	0	0	0	0	0
Agriculture	0	12.936	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	4.608	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	4.875
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

### National Land Use Zoning

■ Agricultural Land  
■ Kamzhing  
■ Protected Chhuzhing  
■ Regulated Chhuzhing  
■ Lease Land  
■ Rural Settlement  
■ Residential Land  
■ Institutional Land  
■ Sustainable Forest Management Area  
■ Forest Management Unit  
■ Community Forest

■ Cultural Heritage  
■ Religious Sites  
■ Heritage Village  
■ Heritage Conservation Zone

■ Urban  
■ Urban Zone

### Nature Conservation Area

■ Protected Area  
■ Core Zone  
■ Transition Zone  
■ Buffer Zone  
■ Multi Use Zone  
■ Biological Corridor / Botanical Park

■ Wetland  
■ Ramsar Site

### Hazard and Risk

■ Rain Induced Flood  
■ Glacier Lake  
■ Outburst Flood  
■ Right Of Way / Buffer  
■ Heritage  
■ Road  
■ Powerlines  
■ Flight Funnel

### Other Effective Area-based Conservation Measures

■ Key Biodiversity Area  
■ High Conservation Value

■ Rangeland  
■ Tsamdro

### Significant Watershed

■ Potential Recharge Area  
■ Payment for Ecosystem Services  
■ Water Sources

### Industrial

■ Manufacturing and Production  
■ Service  
■ Existing mines  
■ Airport  
■ Helipad  
■ Hydro Power Plants  
■ Hydro Power Waterways

### Basemap

■ Boundaries  
■ International  
■ Dzongkhag  
■ Gewog

■ Rivers  
■ Main river  
■ Perennial

■ Terrain  
■ Contour

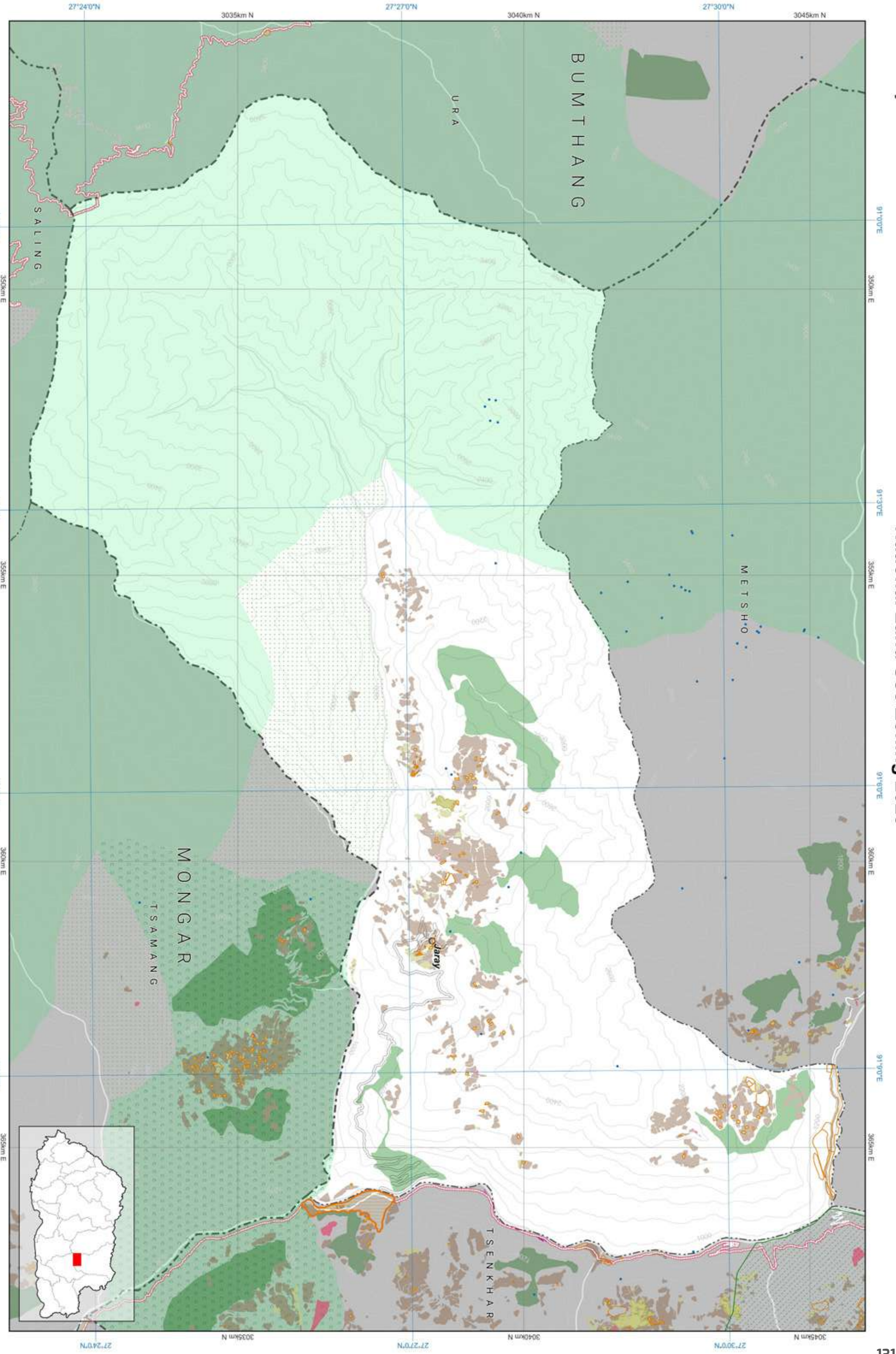
■ Roads for different map scales

Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

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0 1.25 2.5 km

The scale of this map is determined by the geospatial data. If required, the scale of the map can be determined from the geospatial data. The map is compiled from the data of multiple agencies.



License: Jaray

National Land Use Zoning 2023



## Data Ownership

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Ministry of Agriculture and Livestock

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

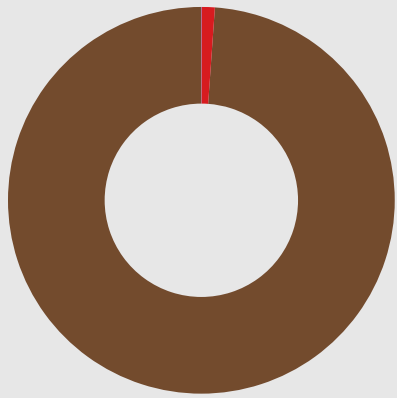
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Jaray	494	514	1,008	96.1	21.2	228

3.7



Zone Area

Gewog	Khoma
Gewog code	603
Gewog area	161492.047
Zone	Area
Agriculture	1174.413
Cultural Heritage	12.696
Industrial	0.592
NCA	0
Rangeland	0
Rural Settlement	0
SFMA	0
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

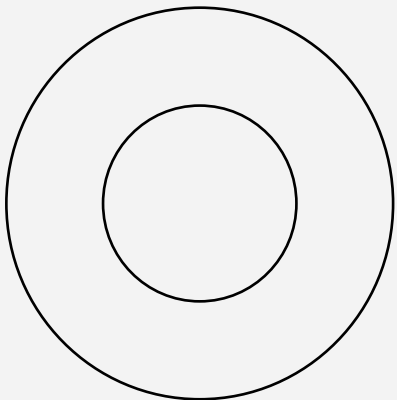
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	145.674	0	0	0	0	0	0
NCA	145.674	0	88.581	0	7.861	0.303	8.887	0
Agriculture	0	88.581	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	7.861	0	0	0	0	0	0
Industrial	0	0.303	0	0	0	0	0	0
Rural Settlement	0	8.887	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Khoma	731	770	1,501	94.9	32.7	362	3.5

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
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  - Tsamdro
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  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

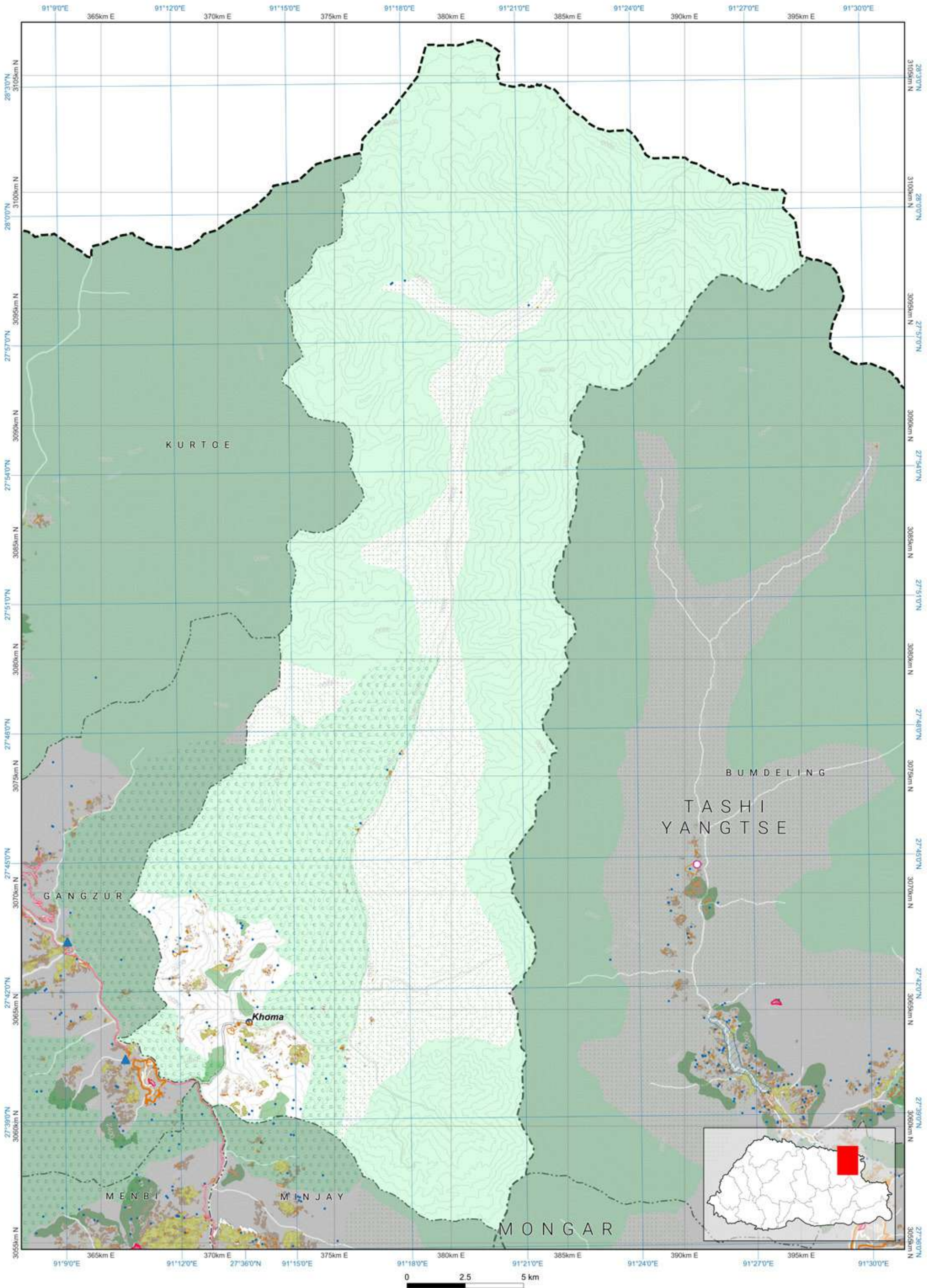
- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
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  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Centre for Hydrology and Meteorology
National Land Commission Secretariat

Lhuentse: Khoma

National Land Use Zoning 2023



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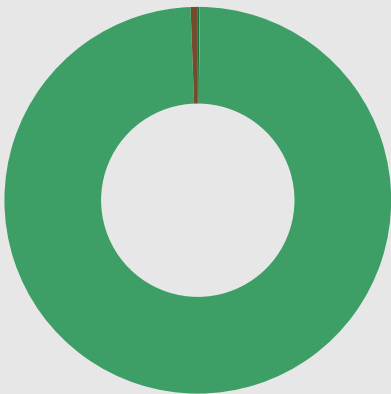




Zone Area

Gewog	Kurtoe
Gewog code	604
Gewog area	238064.158

Zone	Area
Agriculture	1434.203
Cultural Heritage	11.91
Industrial	0.333
NCA	238121.181
Rangeland	0
Rural Settlement	77.238
SFMA	310.282
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	310.188	0	0	0	0	0	0
NCA	310.188	0	1433.776	0	11.907	0.333	77.215	0
Agriculture	0	1433.776	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	11.907	0	0	0	0	0	0
Industrial	0	0.333	0	0	0	0	0	0
Rural Settlement	0	77.215	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	84.955	4.775	0	0	0	0.556	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	84.955
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population		Sex ratio	Aging Index	Number of household
	Male	Female			
Kurtoe	379	361	105.0	30.7	175

Mean Household size	
	3.6

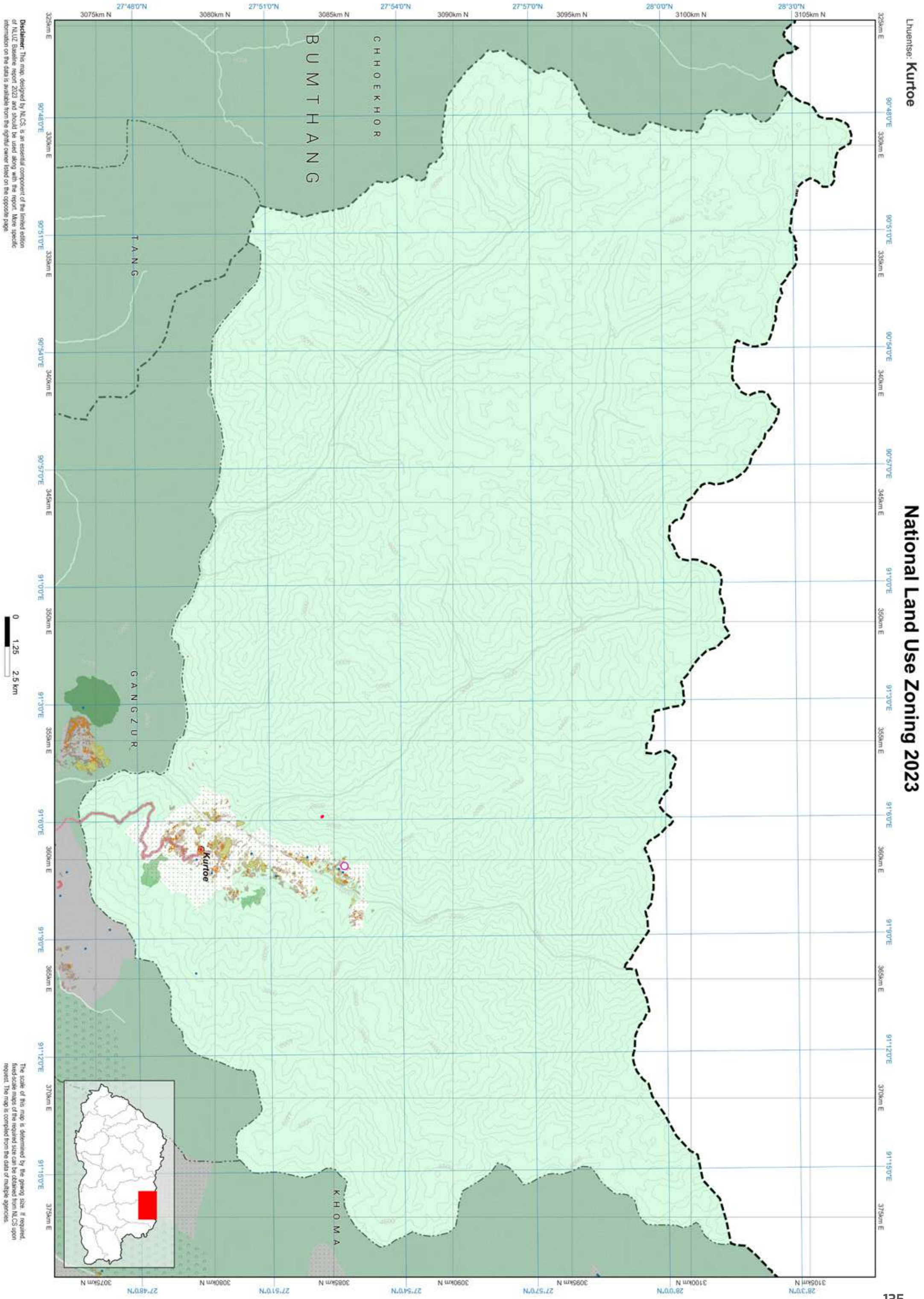
Map Legend

National Land Use Zoning

- Agricultural Land**
- Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement**
- Residential Land
  - Institutional Land
- Sustainable Forest Management Area**
- Forest Management Unit
  - Community Forest
- Cultural Heritage**
- Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban**
- Urban Zone
- Nature Conservation Area**
- Protected Area**
- Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland**
- Ramsar Site
- Hazard and Risk**
- Rain Induced Flood
  - Glacier Lake Outburst Flood
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- Rangeland**
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Data Ownership

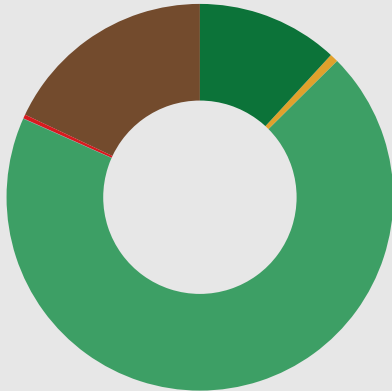
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Department of Water Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development Ministry of Home Affairs
Department of Air Transport Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Centre for Hydrology and Meteorology
National Land Commission Secretariat





Zone Area

Gewog	Menbi
Gewog code	605
Gewog area	21905.185
Zone	Area
Agriculture	2637.915
Cultural Heritage	48.939
Industrial	4.063
NCA	10139.326
Rangeland	0
Rural Settlement	102.392
SFMA	1737.66
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	98.018	0	2.805	1.636	1.195	0
Agriculture	0	98.018	0	0	1.313	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	2.805	1.313	0	0	0	0	0
Industrial	0	1.636	0	0	0	0	0	0
Rural Settlement	0	1.195	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	22.131	1.151	0	0	0.092	0.592	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	58.275
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

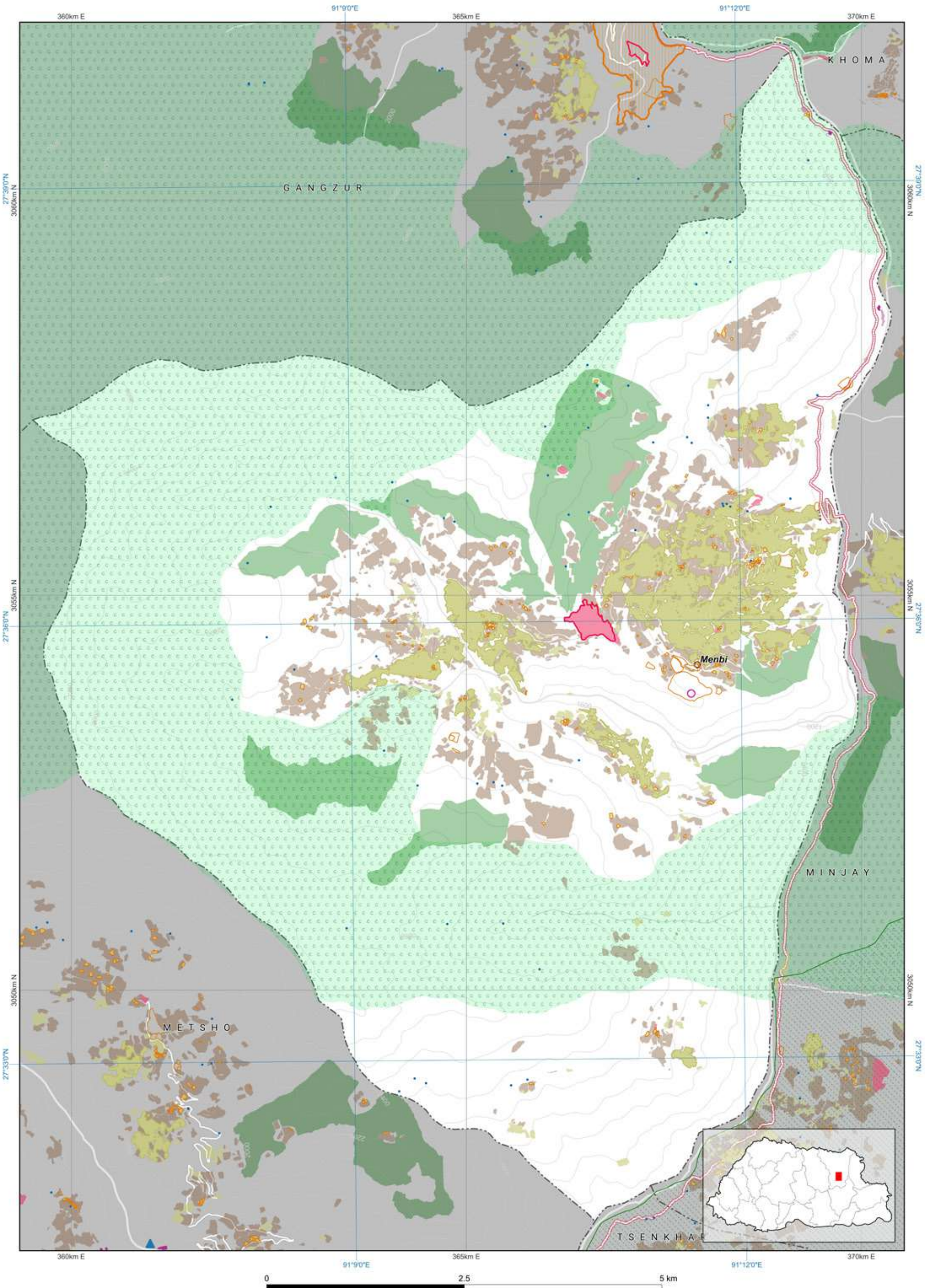
- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development Ministry of Home Affairs
Department of Air Transport Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Menbi	1,191	1,150	2,341	103.6	28.5	466
						Mean Household size
						3.7



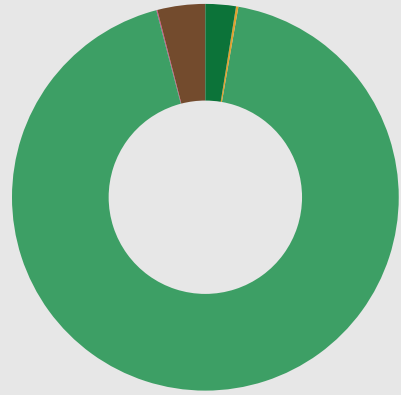
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Zone Area

Gewog	Metsho
Gewog code	607
Gewog area	54177.637
Zone	Area
Agriculture	1421.564
Cultural Heritage	11.246
Industrial	20.399
NCA	33168.981
Rangeland	0
Rural Settlement	71.344
SFMA	903.277
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

Nature Conservation Area

Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

Wetland

- Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
- Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Zone Conflict

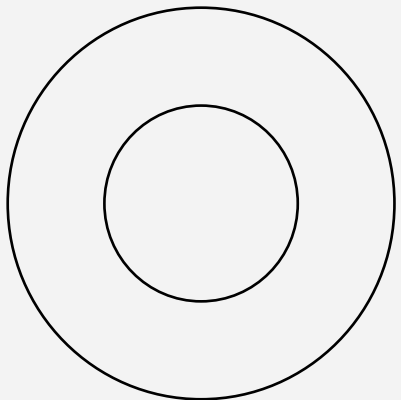
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	25.476	0	0	0	0	0	0
NCA	25.476		28.161	0	0.859	0	0.055	0
Agriculture	0	28.161		0	0	0	0	0
Urban	0	0	0		0	0	0	0
Culture	0	0.859	0	0		0	0	0
Industrial	0	0	0	0	0		0	0
Rural Settlement	0	0.055	0	0	0	0		0
Rangeland	0	0	0	0	0	0	0	

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population		Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female				
Metsho	470	475	98.9	25.9	237	3.9

Data Ownership

Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

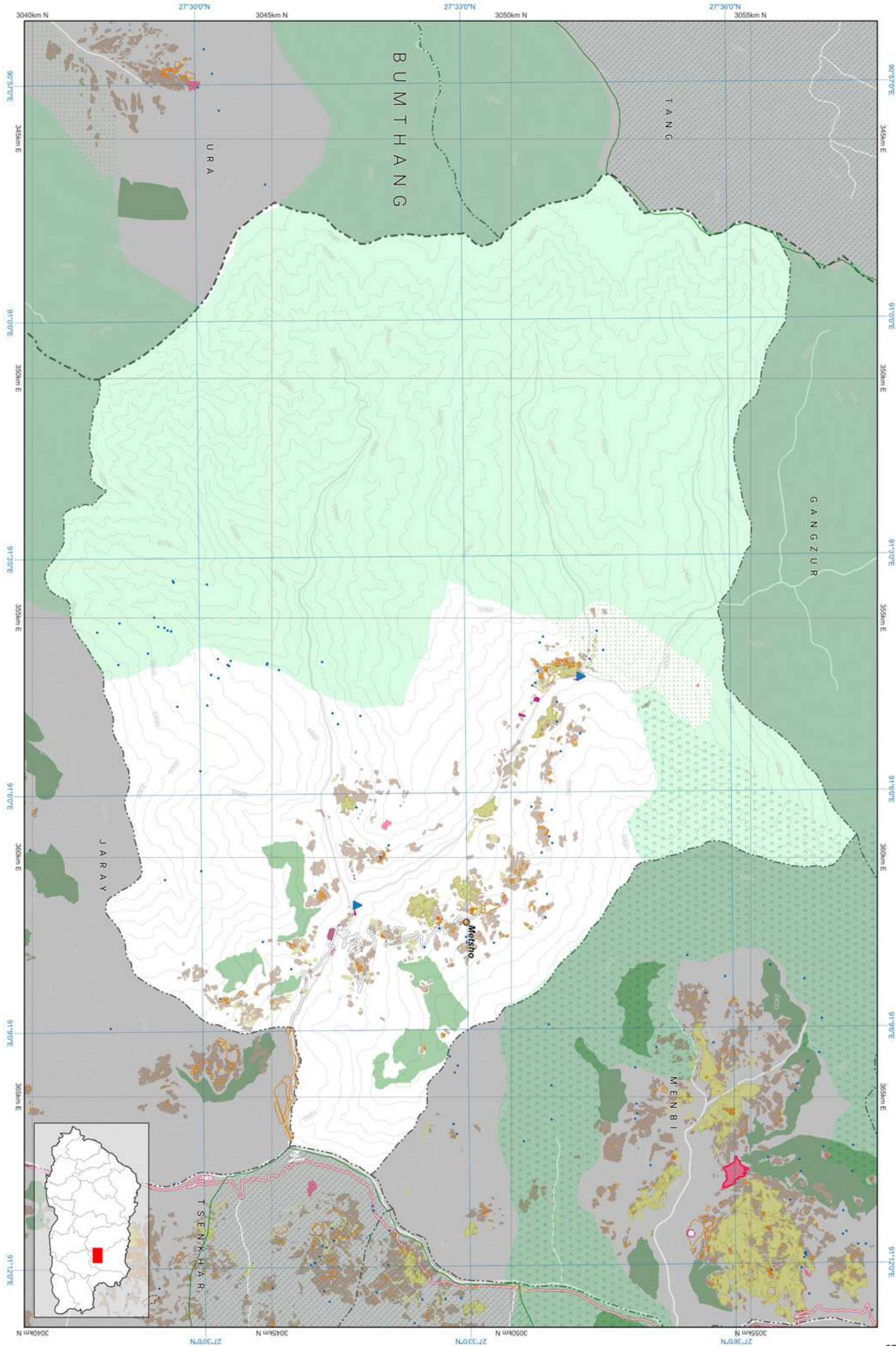
Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

National Land Commission Secretariat

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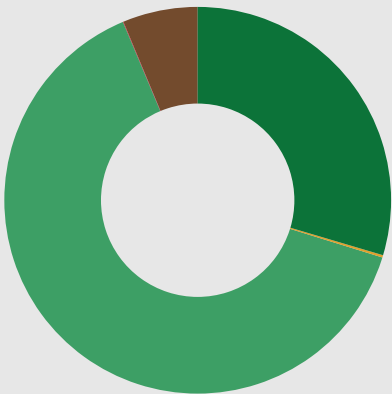




Zone Area

Gewog	Minjay
Gewog code	606
Gewog area	34104.426

Zone	Area
Agriculture	2060.949
Cultural Heritage	14.948
Industrial	0.155
NCA	20973.083
Rangeland	0
Rural Settlement	64.21
SFMA	9711.837
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	2479.839	602.892	0	14.44	0	10.051	0
NCA	2479.839	0	313.445	0	0	0.105	4.192	0
Agriculture	602.892	313.445	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	14.44	0	0	0	0	0	0	0
Industrial	0	0.105	0	0	0	0	0	0
Rural Settlement	10.051	4.192	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	28.843	30.158	8.795	0	0	0	0.558	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	78.595
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
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  - Residential Land
  - Institutional Land
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  - Forest Management Unit
  - Community Forest
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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
- Road
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
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  - Tsamdro
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  - Potential Recharge Area
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  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
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    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
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    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Demographic Table

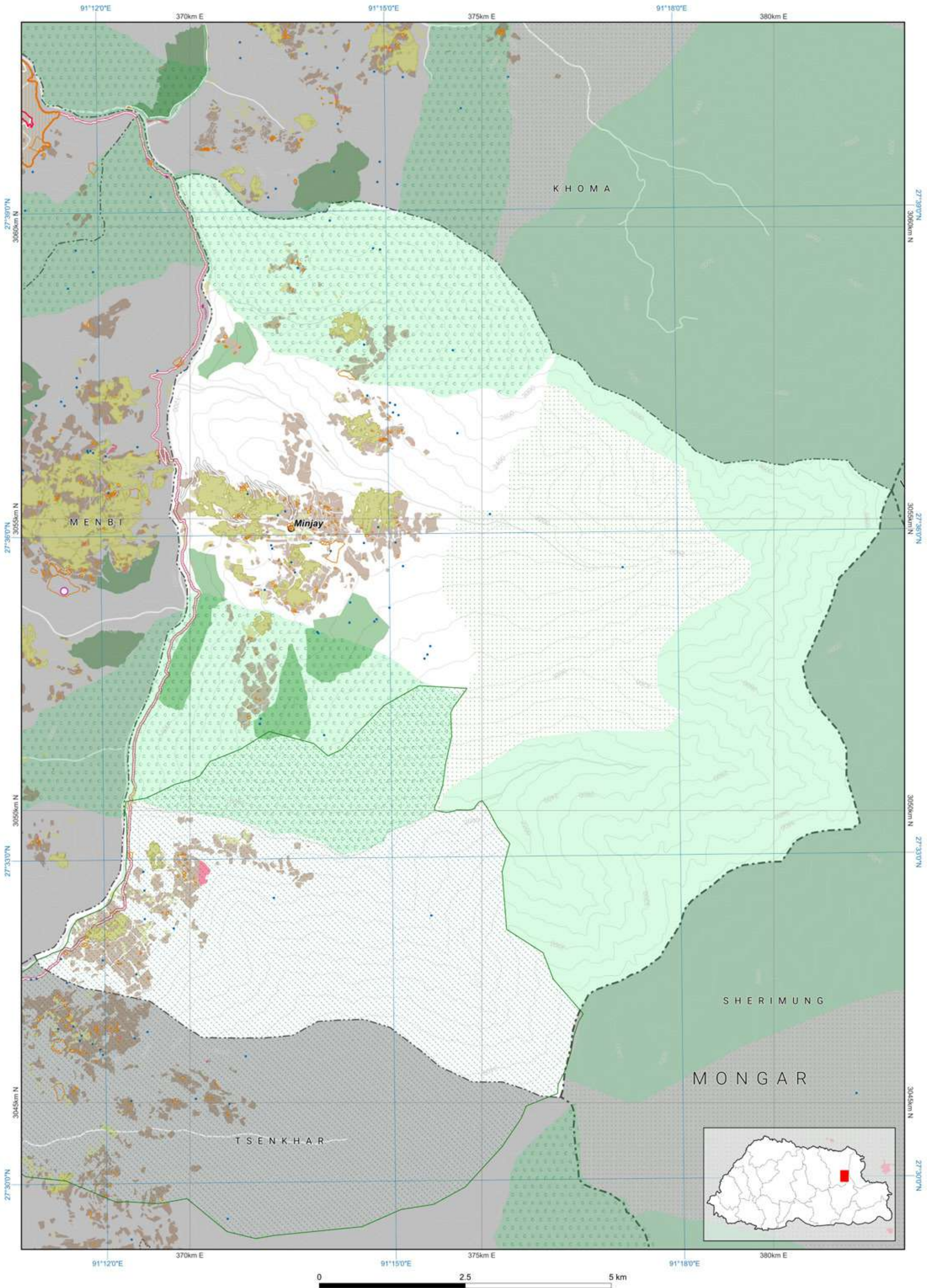
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Minjay	714	716	1,430	99.7	30.8	304	3.9

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Lhuentse: Minjay

National Land Use Zoning 2023



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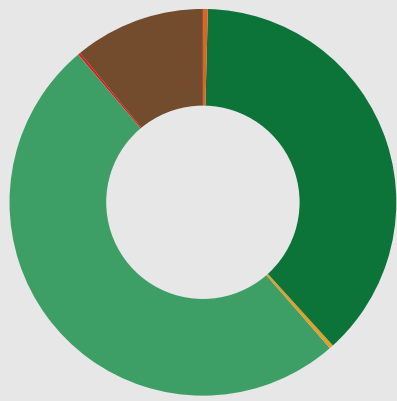
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



Zone Area

Gewog	Tsenkhar
Gewog code	608
Gewog area	30591.8

Zone	Area
Agriculture	2723.328
Cultural Heritage	47.163
Industrial	2.732
NCA	12479.607
Rangeland	0
Rural Settlement	84.241
SFMA	9405.28
Urban	101.852



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	1524.183	648.312	0.321	12.271	0.43	32.723	0
NCA	1524.183	0	391.195	2.994	21.361	0	4.726	0
Agriculture	648.312	391.195	0	14.671	0	0	0	0
Urban	0.321	2.994	14.671	0	0	0	0.999	0
Culture	12.271	21.361	0	0	0	0	0	0
Industrial	0.43	0	0	0	0	0	0	0
Rural Settlement	32.723	4.726	0	0.999	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	37.174	32.865	2.147	0	0	0.36	0.9	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	135.394
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
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  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake
    - Outburst Flood
    - Right Of Way / Buffer
  - Heritage
    - Road
    - Powerlines
    - Flight Funnel
  - Other Effective Area-based Conservation Measures
    - Key Biodiversity Area
    - High Conservation Value
  - Rangeland
    - Tsamdro
  - Significant Watershed
    - Potential Recharge Area
    - Payment for Ecosystem Services
    - Water Sources
  - Industrial
    - Manufacturing and Production
    - Service
    - Existing mines
    - Airport
    - Helipad
    - Hydro Power Plants
    - Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Demographic Table

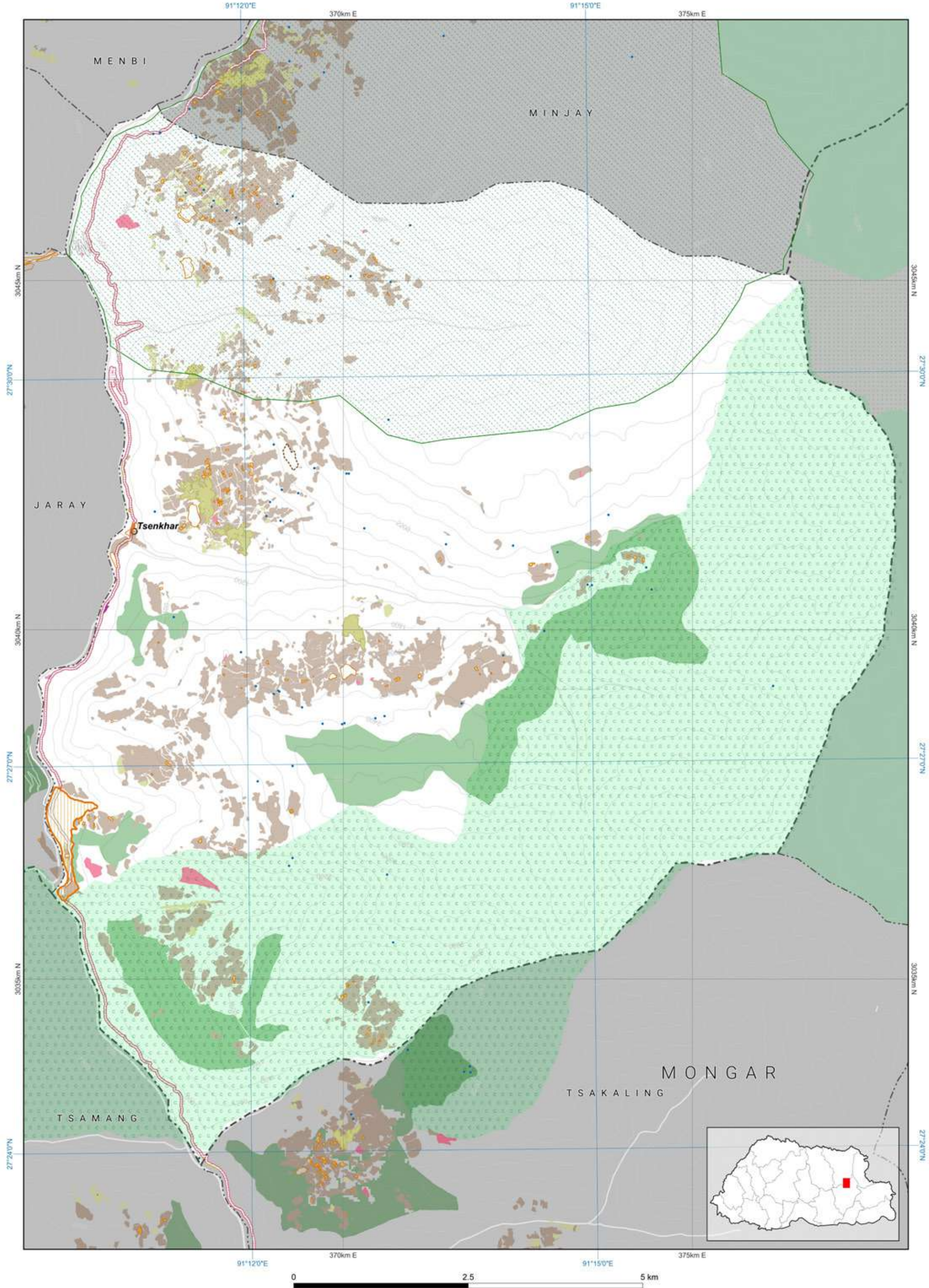
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Tsenkhar	1004	931	1,935	107.8	41.9	479	3.6
Autsho Town	386	389	775	99.2	8.0	112	3.8

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Lhuentse: Tsenkhar

National Land Use Zoning 2023



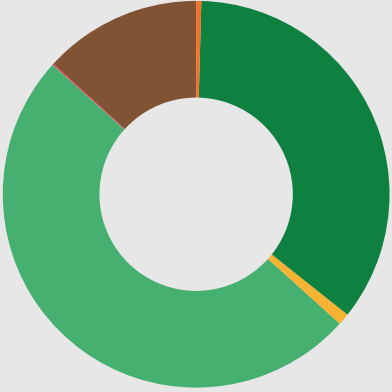
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Zone Area

Dzongkhag	Mongar
Dzongkhag code	07
Dzongkhag area	481264.783
Zone	Area
Agriculture	31679.46
Culture	197.564
Industrial	111.145
NCA	119956.43
Rangeland	0
Rural Settlement	2343.403
SFMA	84622.405
Urban	1021.82



All areas are in Acres.

- Agriculture
- Culture
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

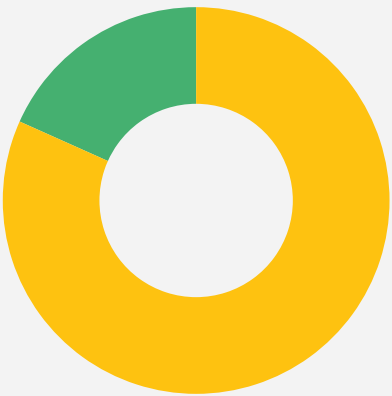
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	2249.319	5,508.97	78.891	70.794	29.661	433.596	0
NCA	2249.319	0	672.99	84.654	17.005	6.453	74.698	0
Agriculture	5,508.97	672.99	0	54.725	0	0	0.113	0
Urban	78.891	84.654	54.725	0	17.77	0.05	369.195	0
Culture	70.794	17.005	0	17.77	0	0	0.001	0
Industrial	29.661	6.453	0	0.05	0	0	0	0
Rural Settlement	433.596	74.698	0.113	369.195	0.001	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	216.583	5.79	59.438	3.185	0.288	2.188	10.986	0
Road	448.168	398.762	60.829	0	2.101	0.717	18.72	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	379.794
Road	1695.269
Flood Hazard	0
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

Demographic Table

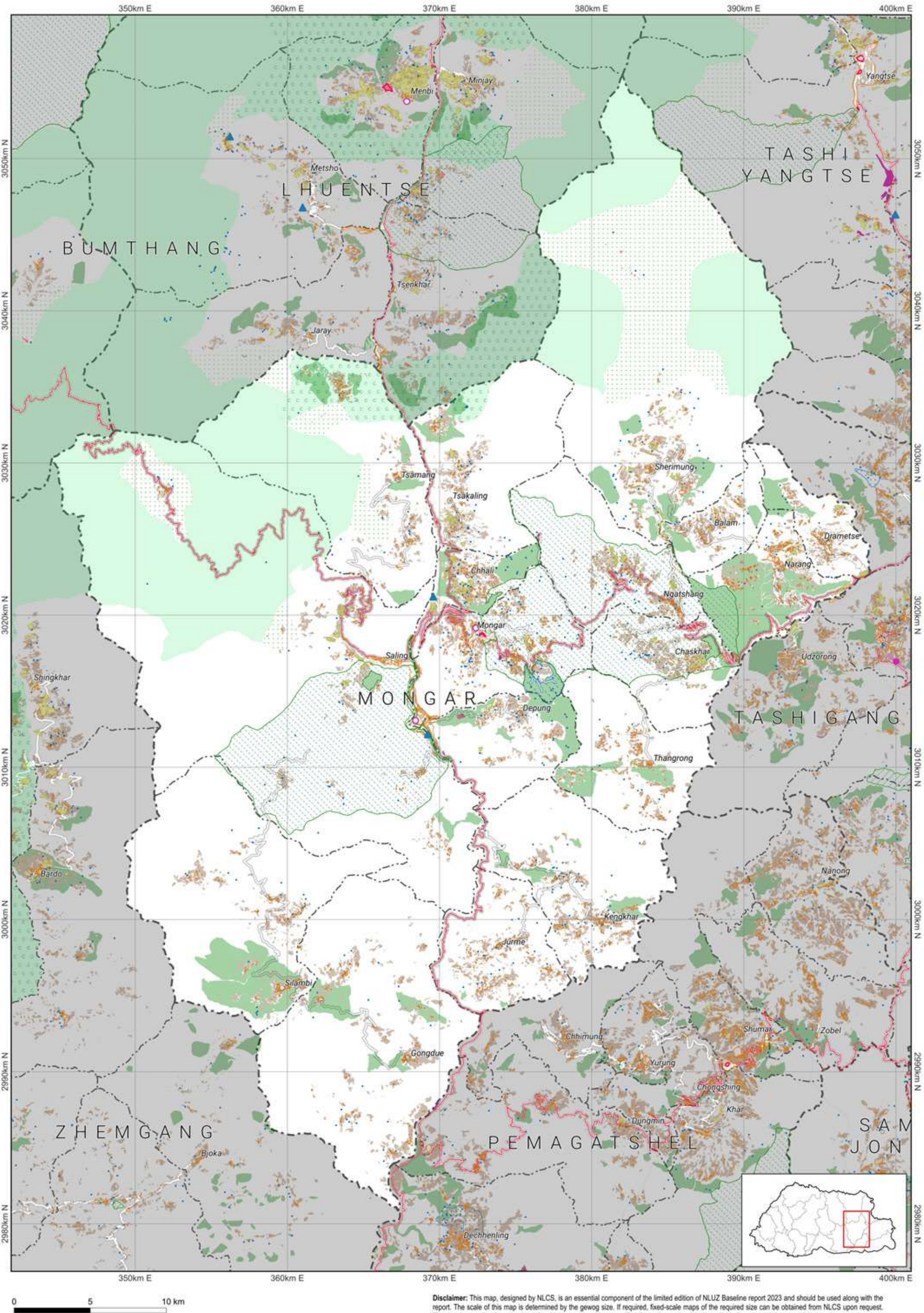
Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Mongar	18,247	18,903	37,150	96.5	23.2	8,640

Map Legend

- National Land Use Zoning
- Agricultural Land
    - Kamzhing
    - Protected Chhuzhing
    - Regulated Chhuzhing
    - Lease Land
  - Rural Settlement
    - Residential Land
    - Institutional Land
  - Sustainable Forest Management Area
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  - Cultural Heritage
    - Religious Sites
    - Heritage Village
    - Heritage Conservation Zone
  - Urban
    - Urban Zone
  - Nature Conservation Area
    - Protected Area
      - Core Zone
      - Transition Zone
      - Buffer Zone
      - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
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      - Thromde 25k
      - Thromde 5k
      - Access 5k
      - Industrial 5k
      - Farm 5k

Mongar

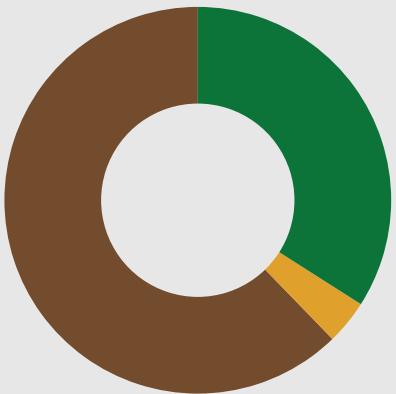
National Land Use Zoning 2023





Zone Area

Gewog	Balam
Gewog code	701
Gewog area	6876.357
Zone	Area
Agriculture	1162.665
Cultural Heritage	0.323
Industrial	0
NCA	0
Rangeland	0
Rural Settlement	69.203
SFMA	635.627
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

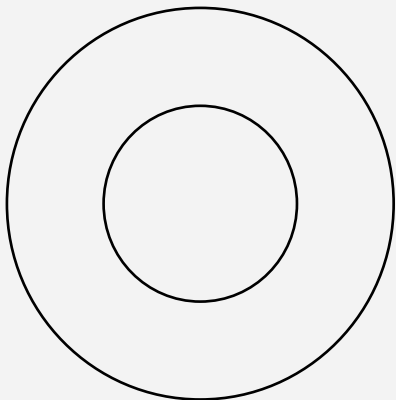
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	6.29	0	0	0	0	0
NCA	0	0	0.00	0	0	0	0	0
Agriculture	6.29	0.00	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Balam	418	494	912	84.6	26.4	254	3.3

Data Ownership

Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

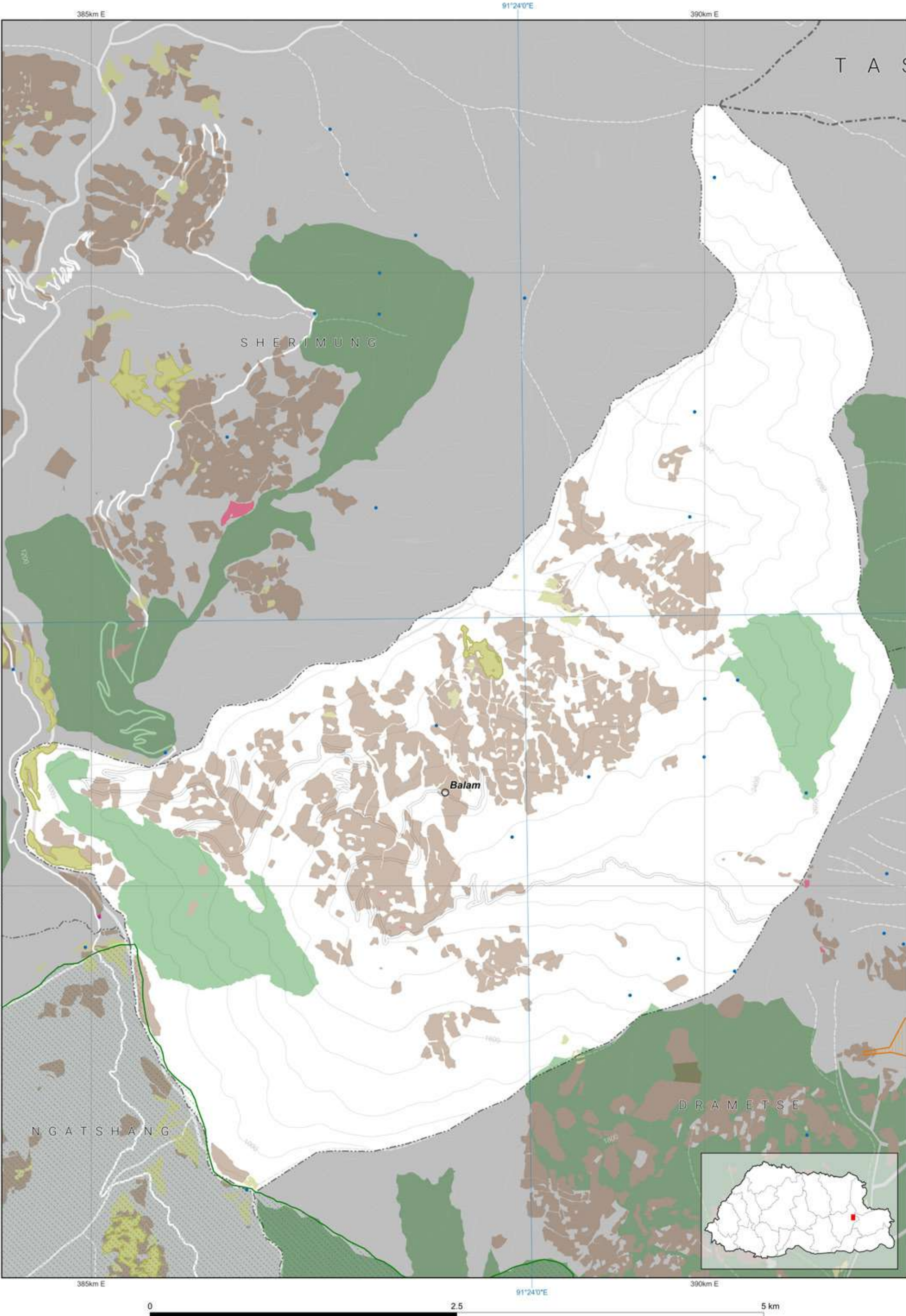
Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

National Land Commission Secretariat

Mongar: Balam

National Land Use Zoning 2023



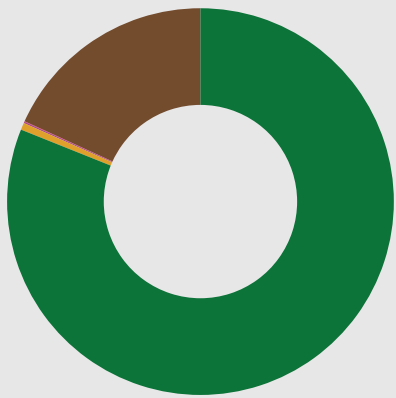
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Zone Area

Gewog	Chaskhar
Gewog code	703
Gewog area	12779.157
Zone	Area
Agriculture	1870.361
Cultural Heritage	3.833
Industrial	12.777
NCA	0
Rangeland	0
Rural Settlement	61.668
SFMA	8417
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	1,747.66	0	3.833	0.771	60.015	0
NCA	0	0	0	0	0	0	0	0
Agriculture	1,747.66	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	3.833	0	0	0	0	0	0	0
Industrial	0.771	0	0	0	0	0	0	0
Rural Settlement	60.015	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	26.348	4.027	12.394	0	0.002	0.223	1.207	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	124.784
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

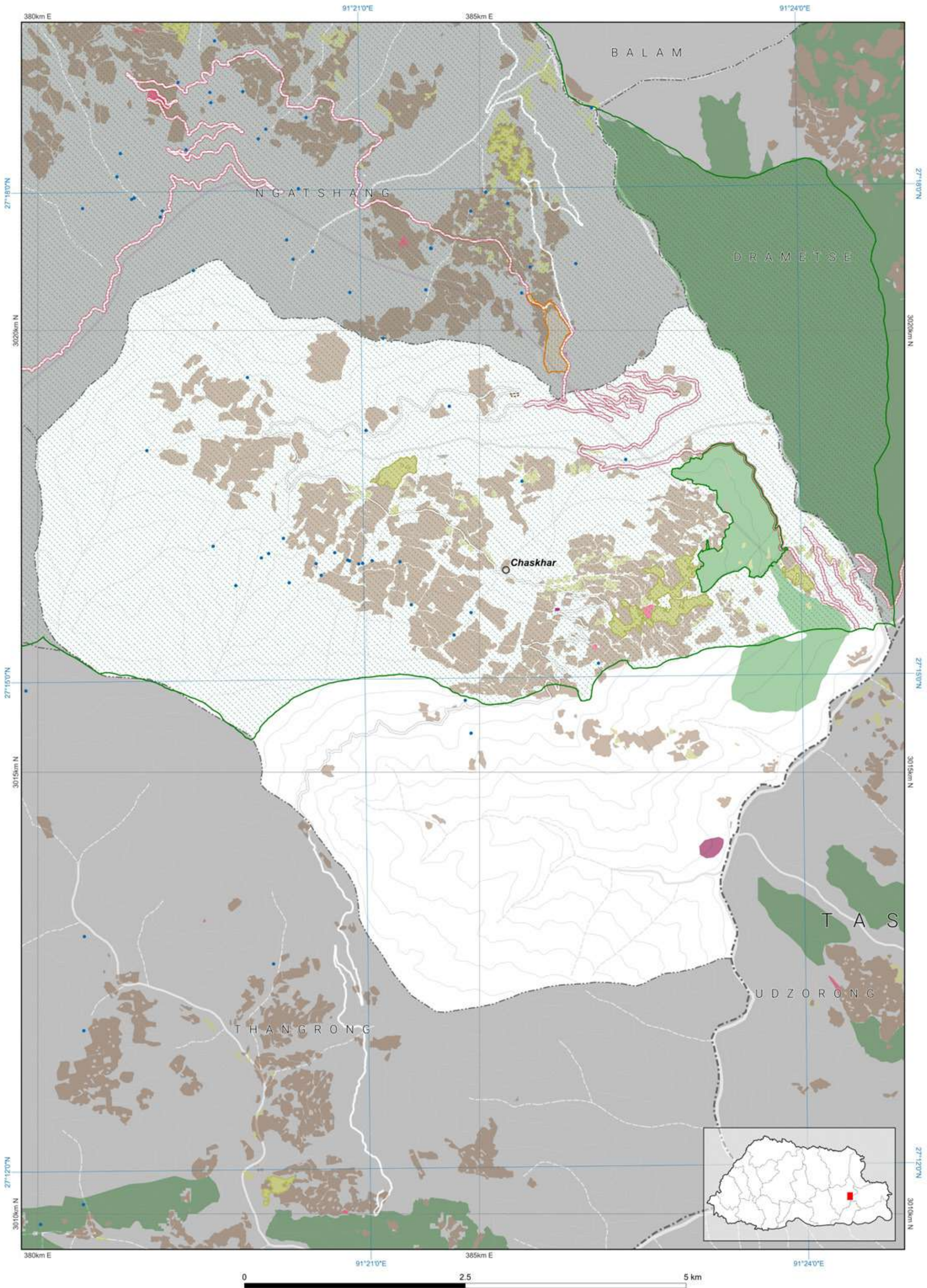
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Mongar: Chaskhar

National Land Use Zoning 2023



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Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Chaskhar	1,206	1,288	2,494	93.6	21.6	581

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Industry Ministry of Industry, Commerce and Employment
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

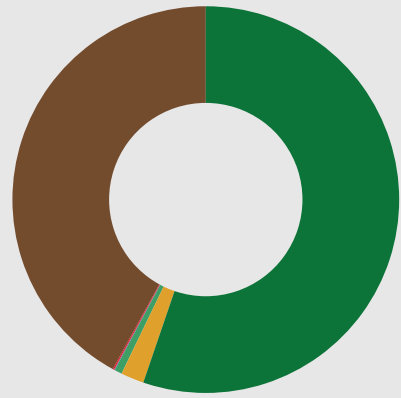




CHHALI

## Zone Area

Gewog	Chhali
Gewog code	702
Gewog area	6155.714
Zone	Area
Agriculture	1678.141
Cultural Heritage	4.205
Industrial	2.783
NCA	25.416
Rangeland	0
Rural Settlement	77.174
SFMA	2206.222
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	49.22	0	0.139	0	1.147	0
NCA	0	0	1.05	0	0	0	0.002	0
Agriculture	49.22	1.05	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0.139	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	1.147	0.002	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	27.375	0	4.591	0	0	0	0	0
Road	127.834	0	1.174	0	0	0.318	0.034	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	28.023
Road	129.503
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
Rural Settlement  
Residential Land  
Institutional Land  
Sustainable Forest Management Area  
Forest Management Unit  
Community Forest

Cultural Heritage  
Religious Sites  
Heritage Village  
Heritage Conservation Zone

Urban  
Urban Zone

Nature Conservation Area  
Protected Area

Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park

Wetland  
Ramsar Site

Hazard and Risk  
Rain Induced Flood  
Glacier Lake  
Outburst Flood  
Right Of Way / Buffer

Heritage  
Road  
Powerlines  
Flight Funnel

Other Effective Area-based Conservation Measures  
Key Biodiversity Area  
High Conservation Value

Rangeland  
Tsamdro

Significant Watershed  
Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources

Industrial  
Manufacturing and Production  
Service  
Existing mines  
Airport  
Helipad  
Hydro Power Plants  
Hydro Power Waterways

Basemap

Boundaries  
International  
Dzongkhag  
Gewog

Rivers  
Main river  
Perennial  
Terrain  
Contour

Roads for different map scales  
Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

## Data Ownership

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Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

## Demographic Table

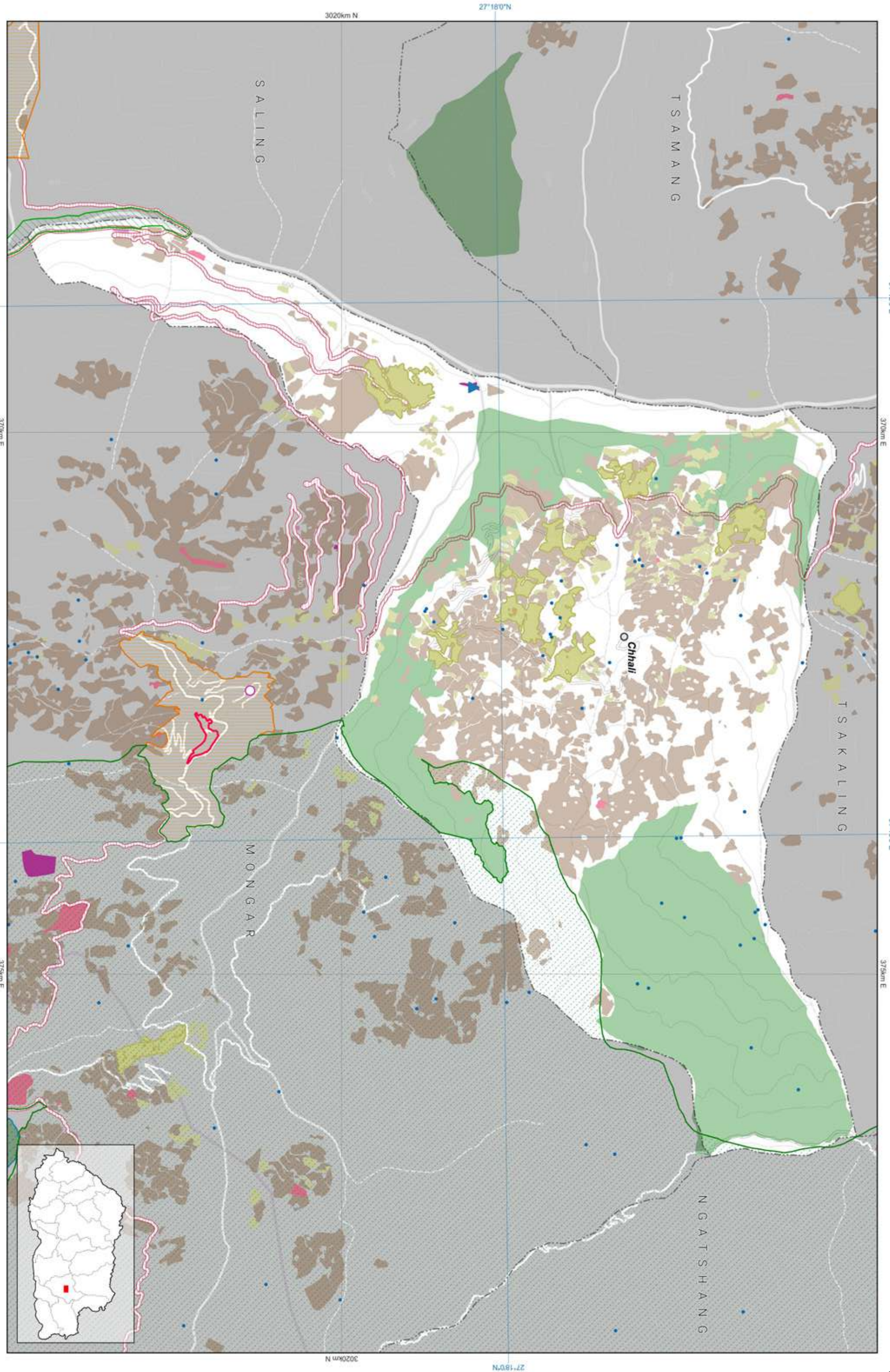
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Chhali	720	721	1,441	99.9	26.9	374

3.5

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0 1.25 2.5 km

The scale of this map is determined by the geospatial data. If required, the scale of the map can be determined from the official owner listed on the opposite page.



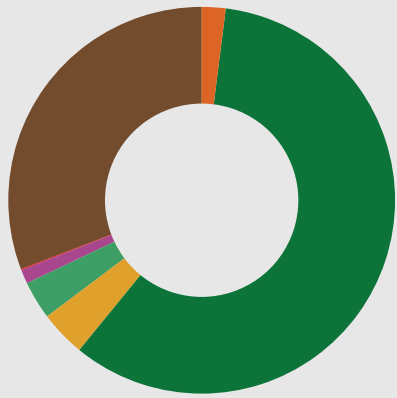
MONGAR



Zone Area

Gewog	Depung
Gewog code	704
Gewog area	12503.507

Zone	Area
Agriculture	1227.322
Cultural Heritage	3.962
Industrial	46.893
NCA	127.479
Rangeland	0
Rural Settlement	152.964
SFMA	2348.283
Urban	79.306



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	30.662	0.00	0	0	0	0	0
NCA	30.662	0	0.00	12.534	0	4.001	1.462	0
Agriculture	0.00	0.00	0	1.516	0	0	0.113	0
Urban	0	12.534	1.516	0	2.256	0	42.836	0
Culture	0	0	0	2.256	0	0	0.001	0
Industrial	0	4.001	0	0	0	0	0	0
Rural Settlement	0	1.462	0.113	42.836	0.001	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0.635	0	0	0	1.214	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	9.449
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
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  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
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Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

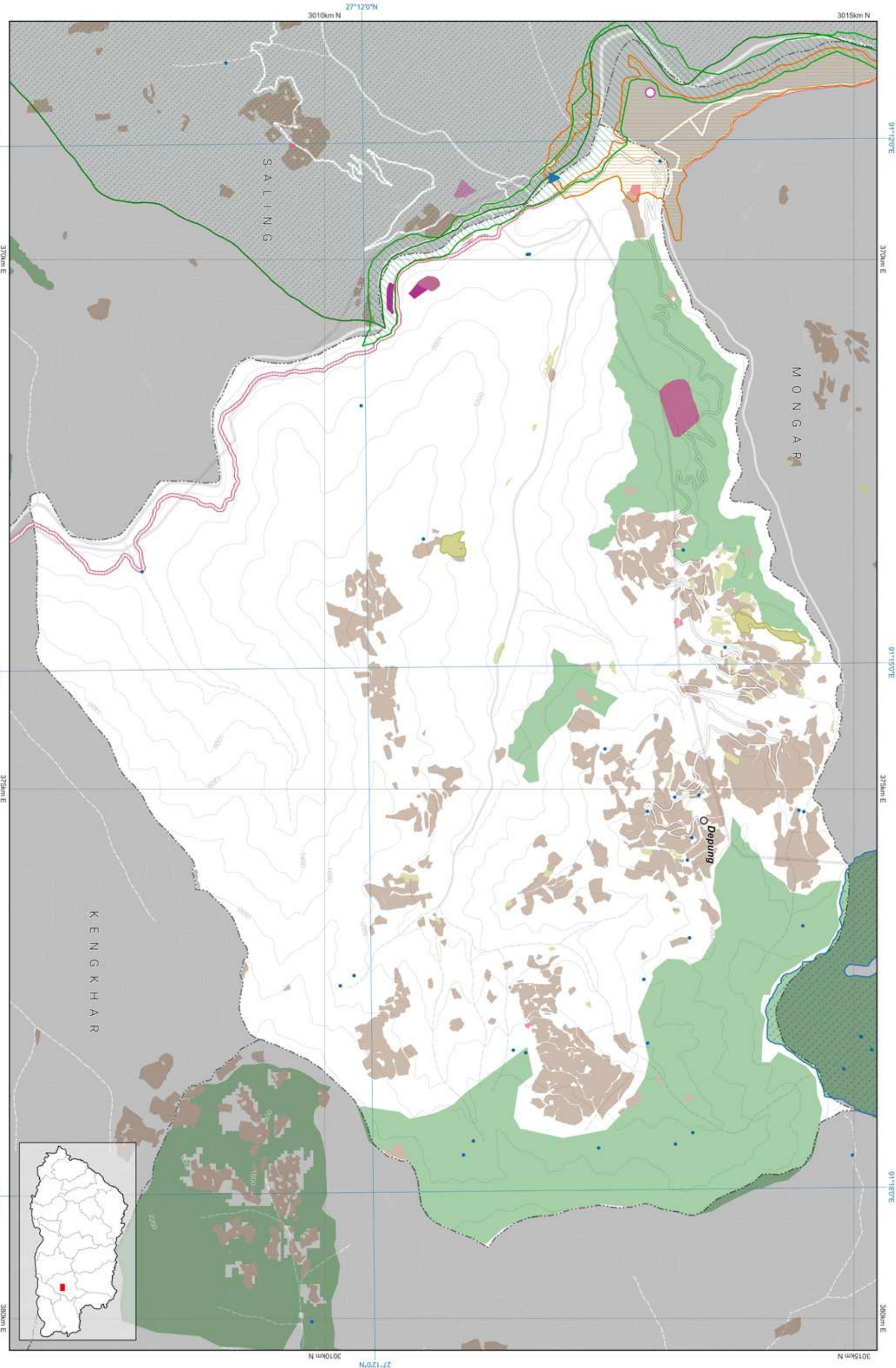
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Male	Female	Total	Sex ratio	Aging Index	Mean Household size
Depung	427	477	904	89.5	27.2	265
Gyalposhing Town	1,374	1,255	2,629	109.5	5.8	477

**Disclaimer:**  
The demographic statistics provided in the table above for Gyalposhing town encompass not only the area falling under the Depung gewog but also include the demographic statistics of the town area falling under the Mongar gewog. The same statistics for Gyalposhing town can be found under the Mongar gewog.

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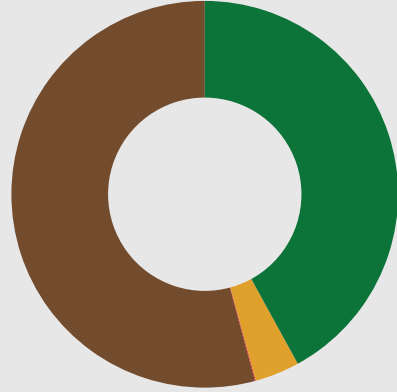
The scale of this map is determined by the gewog size. If required, base-scale maps of the required size can be obtained from NLCS upon request. This map is compiled from the data of multiple agencies.





## Zone Area

Gewog	Drametse
Gewog code	705
Gewog area	7170.877
Zone	Area
Agriculture	1059.354
Cultural Heritage	1.39
Industrial	0.148
NCA	0
Rangeland	0
Rural Settlement	73.041
SFMA	821.426
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	17.441	0.979	10.247	1.406	0.213	0.731	1.94	0
Road	0	3.452	0	0	0	0.001	1.527	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	73.999
Road	60.864
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

### National Land Use Zoning

**Agricultural Land**  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
**Rural Settlement**  
Residential Land  
Institutional Land  
**Sustainable Forest Management Area**  
Forest Management Unit  
Community Forest  
**Cultural Heritage**  
Religious Sites  
Heritage Village  
Heritage Conservation Zone

**Urban**  
Urban Zone

**Nature Conservation Area**  
**Protected Area**  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park

**Wetland**  
Ramsar Site

**Hazard and Risk**  
Rain Induced Flood  
Glacier Lake  
Outburst Flood  
Right Of Way / Buffer

Heritage  
Road  
Powerlines  
Flight Funnel

**Other Effective Area-based Conservation Measures**  
Key Biodiversity Area  
High Conservation Value

Rangeland  
Tsamdro

**Significant Watershed**  
Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources

**Industrial**  
Manufacturing and Production  
Service  
Existing mines  
Airport  
Helipad  
Hydro Power Plants  
Hydro Power Waterways

**Basemap**  
**Boundaries**  
International  
Dzongkhag  
Gewog

**Rivers**  
Main river  
Perennial

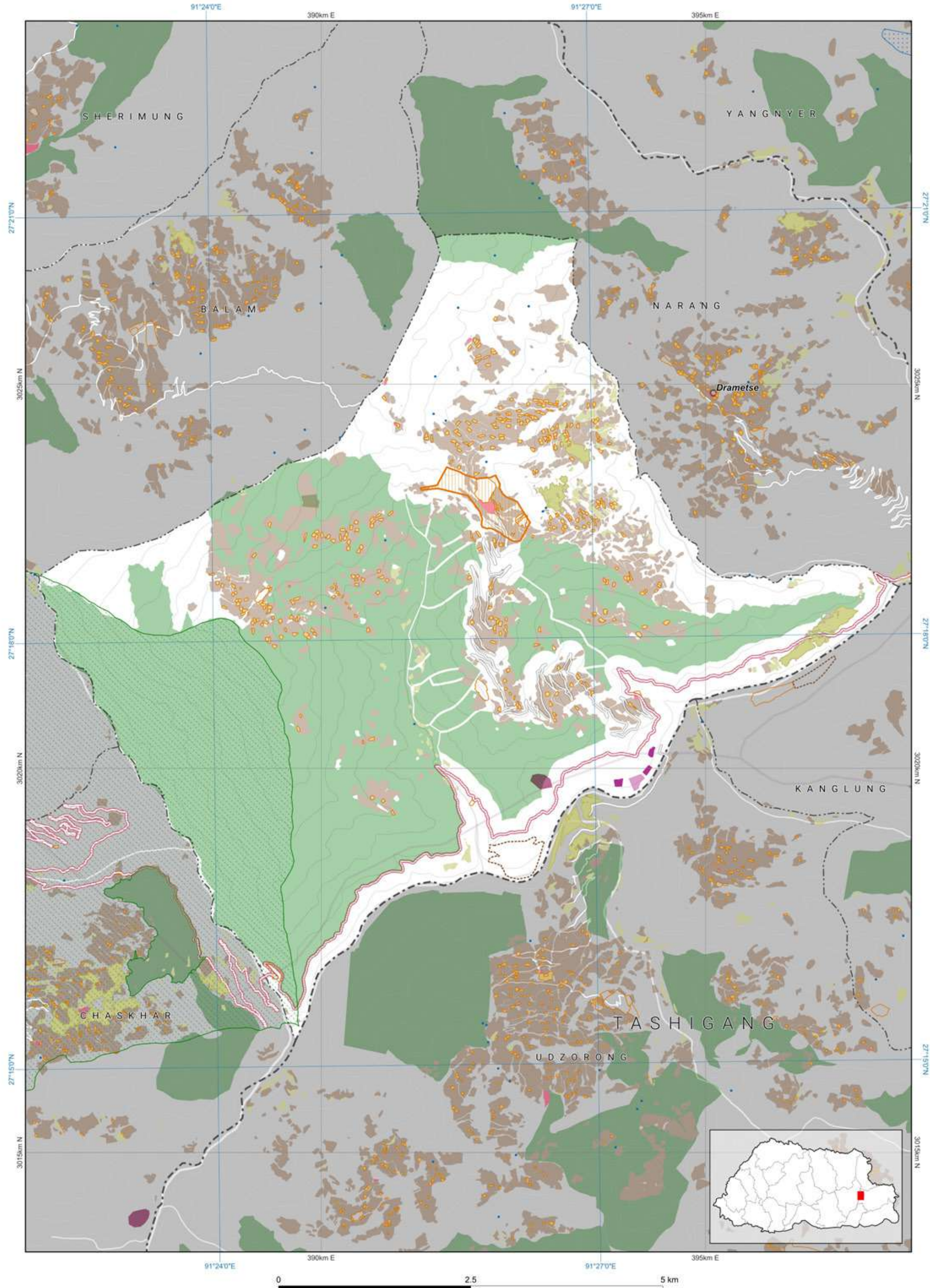
**Terrain**  
Contour

**Roads for different map scales**  
Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k

Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

Mongar: Drametse

## National Land Use Zoning 2023

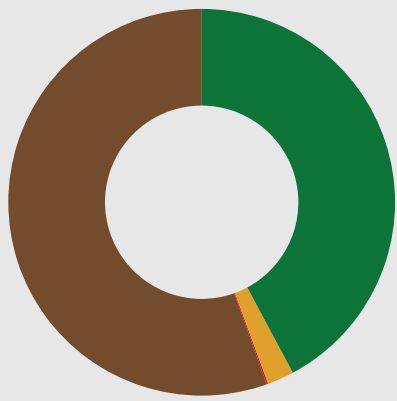




GONGDUE

## Zone Area

Gewog	Gongdue
Gewog code	706
Gewog area	45975.615
Zone	Area
Agriculture	2931.776
Cultural Heritage	6.803
Industrial	0.216
NCA	0
Rangeland	0
Rural Settlement	117.867
SFMA	2229.726
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.01	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0.01	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0.032
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

### National Land Use Zoning

■ Agricultural Land  
■ Kamzhing  
■ Protected Chhuzhing  
■ Regulated Chhuzhing  
■ Lease Land  
■ Rural Settlement  
■ Residential Land  
■ Institutional Land  
■ Sustainable Forest Management Area  
■ Forest Management Unit  
■ Community Forest  
■ Cultural Heritage  
■ Religious Sites  
■ Heritage Village  
■ Heritage Conservation Zone  
■ Urban  
■ Urban Zone

### Nature Conservation Area

■ Protected Area  
■ Core Zone  
■ Transition Zone  
■ Buffer Zone  
■ Multi Use Zone  
■ Biological Corridor / Botanical Park  
■ Wetland  
■ Ramsar Site  
■ Hazard and Risk  
■ Rain Induced Flood  
■ Glacier Lake  
■ Outburst Flood  
■ Right Of Way / Buffer  
■ Heritage  
■ Road  
■ Powerlines  
■ Flight Funnel

### Other Effective Area-based Conservation Measures

■ Key Biodiversity Area  
■ High Conservation Value  
■ Rangeland  
■ Tsamdro  
■ Significant Watershed  
■ Potential Recharge Area  
■ Payment for Ecosystem Services  
■ Water Sources

### Industrial

■ Manufacturing and Production  
■ Service  
■ Existing mines  
■ Airport  
■ Helipad  
■ Hydro Power Plants  
■ Hydro Power Waterways

### Basemap

■ Boundaries  
■ International  
■ Dzongkhag  
■ Gewog  
■ Rivers  
■ Main river  
■ Perennial  
■ Terrain  
■ Contour

■ Roads for different map scales  
■ Highway 300k  
■ Highway 50k  
■ Highway 25k  
■ Highway 5k  
■ Dzongkhag 50k  
■ Dzongkhag 25k  
■ Dzongkhag 5k

■ Thromde 50k  
■ Thromde 25k  
■ Thromde 5k  
■ Access 5k  
■ Industrial 5k  
■ Farm 5k

## Data Ownership

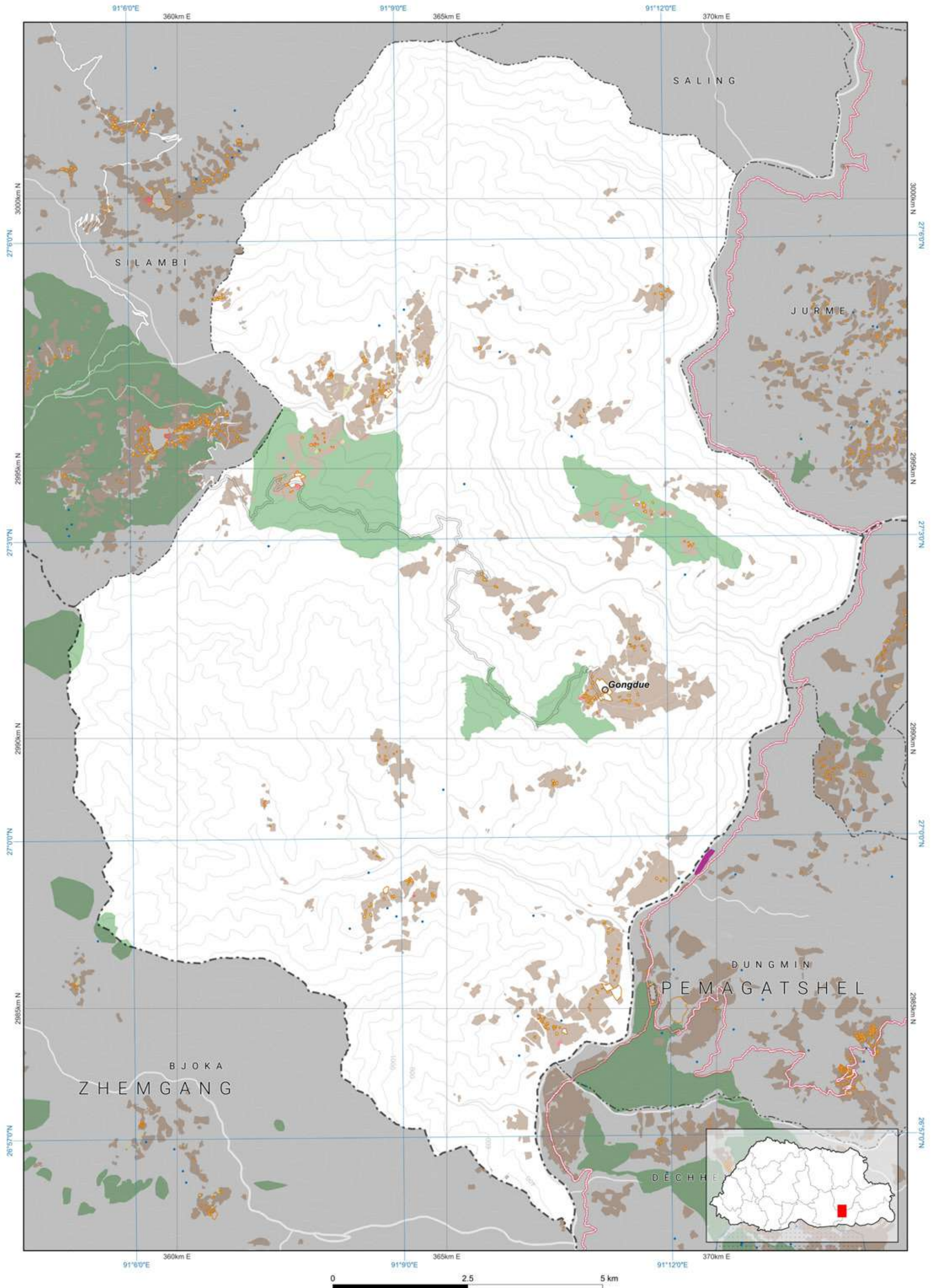
Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Gongdue	616	618	1,234	99.7	40.1	316

Mongar: Gongdue

## National Land Use Zoning 2023



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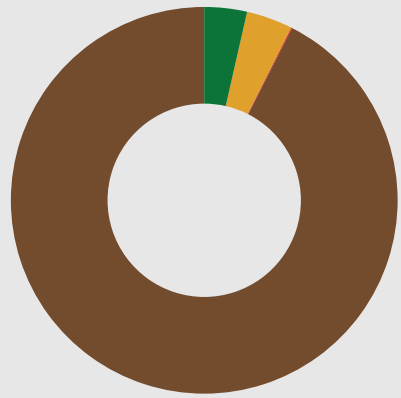
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.





## Zone Area

Gewog	Jurme
Gewog code	707
Gewog area	13927.596
Zone	Area
Agriculture	1844.974
Cultural Heritage	1.652
Industrial	0
NCA	0
Rangeland	0
Rural Settlement	78.325
SFMA	72.046
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	1.039	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	130.572
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

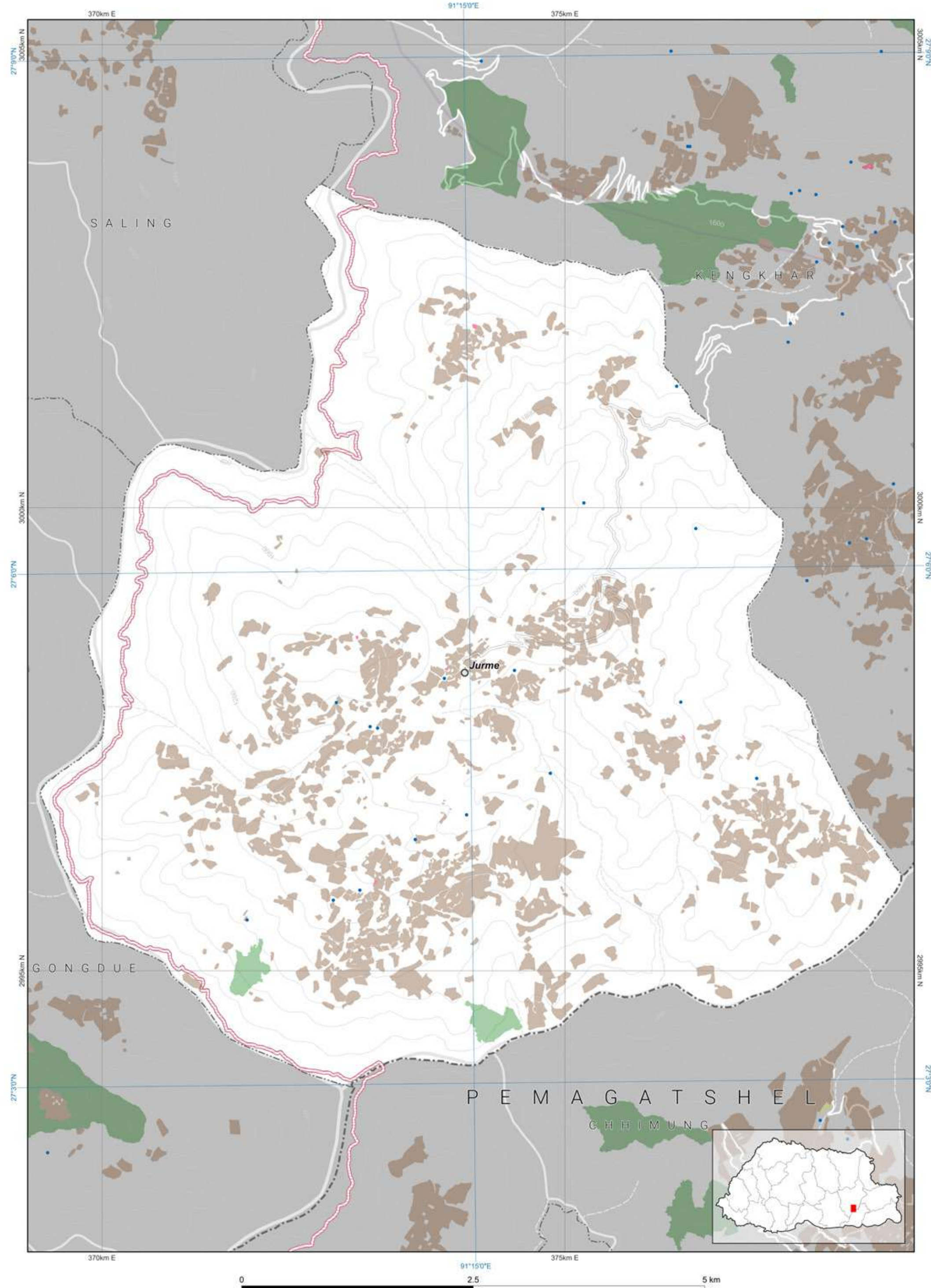
- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transistion Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

### Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Mongar: Jurme

## National Land Use Zoning 2023



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## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population		Sex ratio	Aging Index	Number of household
	Male	Female			
Jurme	589	658	1,247	89.5	23.4
					307
					3.6

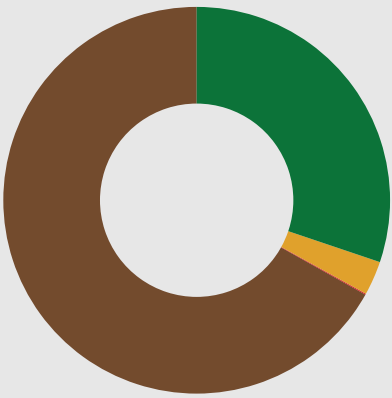
## Data Ownership

Data Owner of the Map Content
Department of Forests and Park Services
Ministry of Energy and Natural Resources
Department of Water
Ministry of Energy and Natural Resources
Department of Surface Transport
Ministry of Infrastructure and Transport
National Land Commission Secretariat



Zone Area

Gewog	Kengkharr
Gewog code	708
Gewog area	24352.909
Zone	Area
Agriculture	2363.919
Cultural Heritage	2.862
Industrial	0.15
NCA	0
Rangeland	0
Rural Settlement	100.729
SFMA	1066.768
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	15.822	0	24.620	0	0	0	1	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	98.455
Road	55.151
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
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- Other Effective Area-based Conservation Measures
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  - High Conservation Value
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  - Tsamdro
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- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Demographic Table

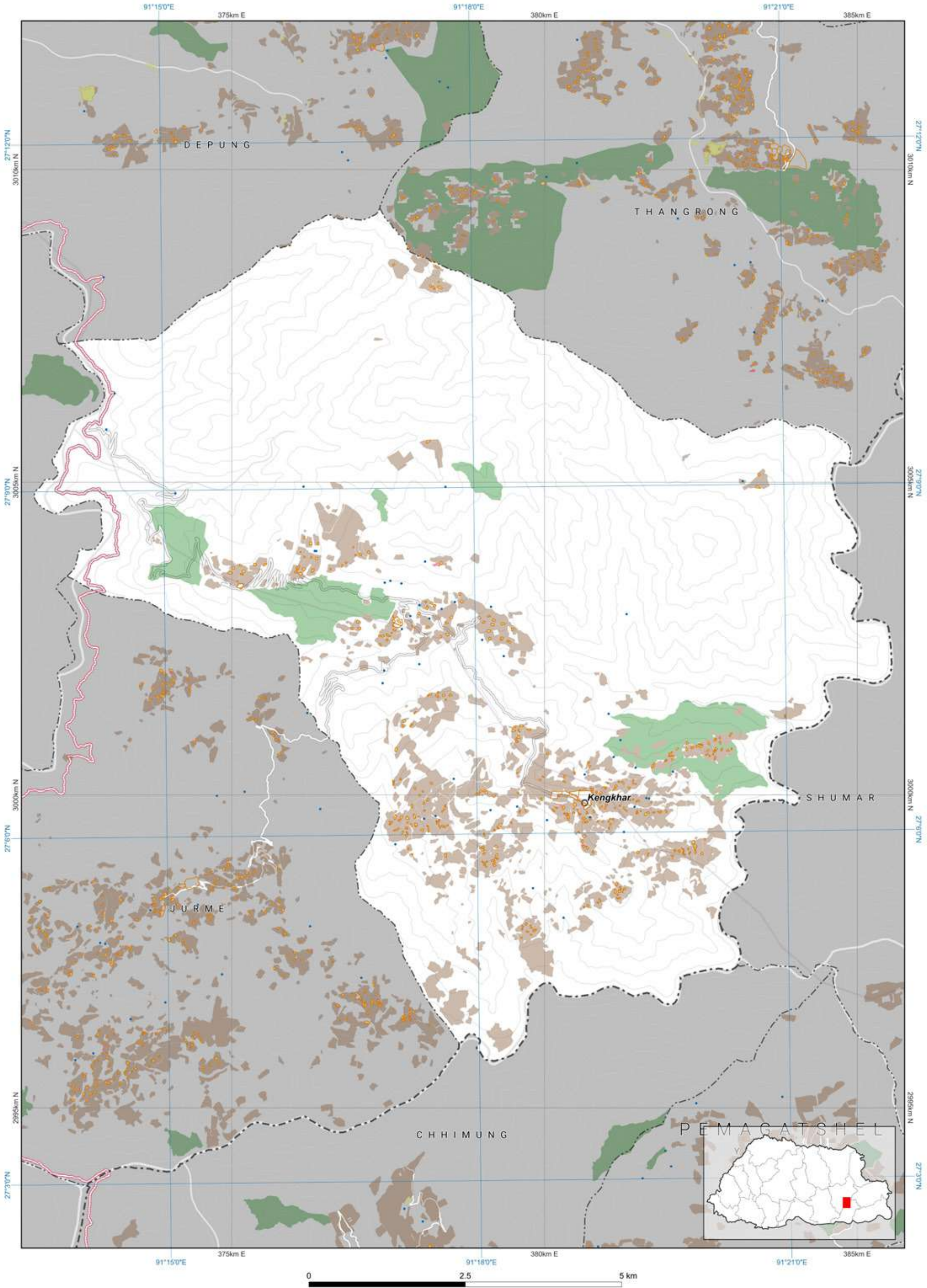
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Kengkharr	881	963	1,844	91.5	28.3	462	3.6

Data Ownership

Data Owner of the Map Content
Department of Forests and Park Services
Ministry of Energy and Natural Resources
Department of Water
Ministry of Energy and Natural Resources
Department of Surface Transport
Ministry of Infrastructure and Transport
National Land Commission Secretariat

Mongar: Kengkharr

National Land Use Zoning 2023



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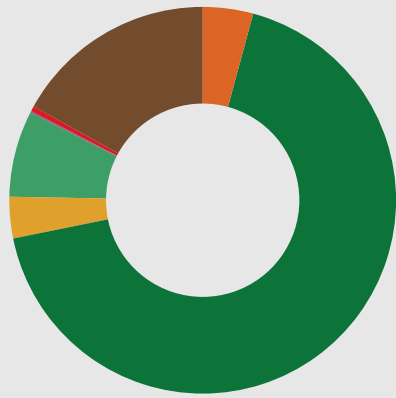
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



Zone Area

Gewog	Mongar
Gewog code	709
Gewog area	18054.376

Zone	Area
Agriculture	2374.016
Cultural Heritage	60.818
Industrial	17.383
NCA	1011.386
Rangeland	0
Rural Settlement	486.21
SFMA	9477.806
Urban	589.86



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
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- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
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  - Urban Zone
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  - Protected Area
    - Core Zone
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    - Dzongkhag 25k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	843.441	1,141.95	0.008	37.106	16.501	151.353	0
NCA	843.441	0	0.20	46.42	0	2	10.964	0
Agriculture	1,141.95	0.20	0	2	0	0	0	0
Urban	0.008	46.42	2	0	9.532	0	174.814	0
Culture	37.106	0	0	9.532	0	0	0	0
Industrial	16.501	2	0	0	0	0	0	0
Rural Settlement	151.353	10.964	0	174.814	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	51.982	3.11	12.113	0	0.074	0	5.351	0
Road	112.656	7.211	10.658	0	0.827	0.001	5.453	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	53.646
Road	249.411
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Mongar	1,681	1,803	3,484	93.2	27.8	823
Gyalposhing Town	1,374	1,255	2,629	109.5	5.8	477
Mongar Town	2,301	2,151	4,452	107	11.5	934
Kilikhar Town	290	275	565	105.5	8.6	90

**Disclaimer:**  
The demographic statistics provided in the table above for Gyalposhing town encompass not only the area falling under the Mongar gewog but also include the demographic statistics of the town area falling under the Depung gewog. The same statistics for Gyalposhing town can be found under the Depung gewog.

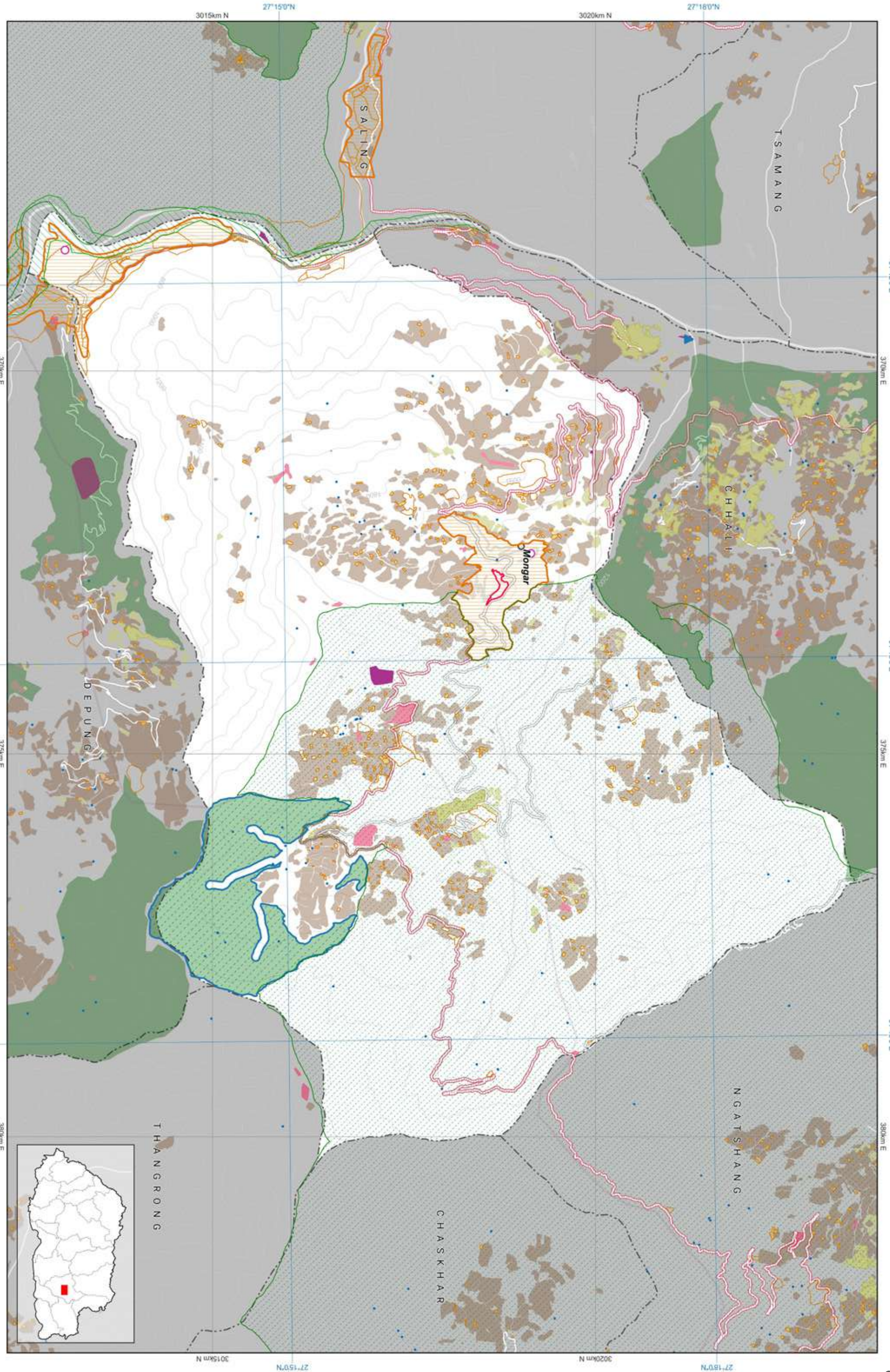
Data Ownership

Data Owner of the Map Content
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Department of Energy Ministry of Energy and Natural Resources
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Department of Water Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development, Ministry of Home Affairs
Department of Air Transport Ministry of Infrastructure and Transport
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

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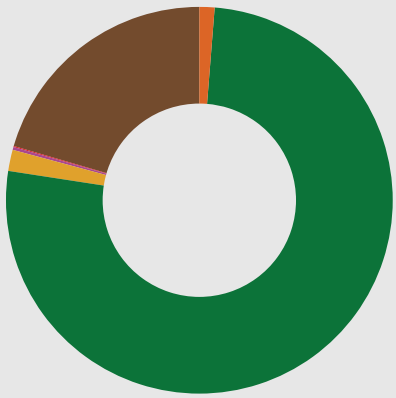
The scale of this map is determined by the geospatial data. If required, the scale of the map can be determined from the geospatial data. The map is compiled from the data of multiple agencies.





## Zone Area

Gewog	Narang
Gewog code	717
Gewog area	12421.468
Zone	Area
Agriculture	1901.493
Cultural Heritage	8.154
Industrial	23.243
NCA	0
Rangeland	0
Rural Settlement	171.893
SFMA	6178.338
Urban	122.469



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	8.84	0	0	6.701	4.585	0
NCA	0	0	0.00	0	0	0	0	0
Agriculture	8.84	0.00	0	46.555	0	0	0	0
Urban	0	0	46.555	0	5.974	0	22.063	0
Culture	0	0	0	5.974	0	0	0	0
Industrial	6.701	0	0	0	0	0	0	0
Rural Settlement	4.585	0	0	22.063	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	26.049	0	0	0	0	1.457	0.479	0
Road	27.774	0	1.058	0	0	0	1.723	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	41.54
Road	119.508
Flood Hazard	0
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
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- Cultural Heritage
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  - Heritage Village
  - Heritage Conservation Zone
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  - Urban Zone
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  - Protected Area
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    - Buffer Zone
    - Multi Use Zone
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  - Ramsar Site
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### Basemap

- Boundaries
  - International
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  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

## Data Ownership

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Department of Water  
Ministry of Energy and Natural Resources

Department of Human Settlement  
Ministry of Infrastructure and Transport

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Ministry of Infrastructure and Transport

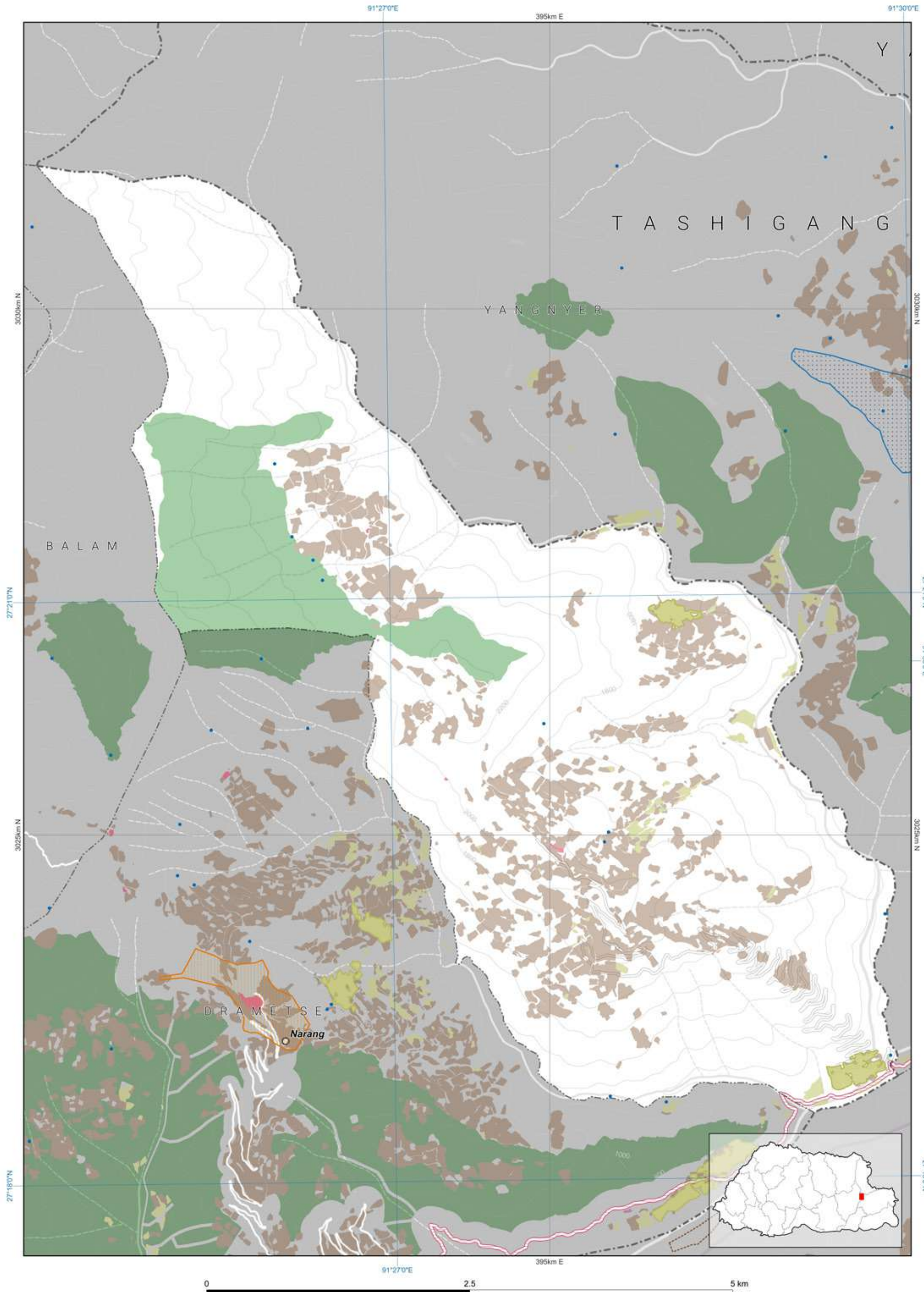
National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Narang	593	670	1,263	88.5	17.2	3.5

Mongar: Narang

## National Land Use Zoning 2023



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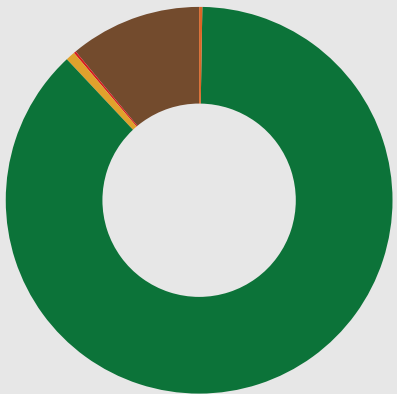
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



Zone Area

Gewog	Ngatshang
Gewog code	710
Gewog area	17765.925

Zone	Area
Agriculture	1676.502
Cultural Heritage	27.881
Industrial	0.62
NCA	0
Rangeland	0
Rural Settlement	119.784
SFMA	13344.746
Urban	40.404



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	1,667.73	40.386	27.87	0.619	119.589	0
NCA	0	0	0.00	0	0	0	0	0
Agriculture	1,667.73	0.00	0	2.035	0	0	0	0
Urban	40.386	0	2.035	0	0	0	35.747	0
Culture	27.87	0	0	0	0	0	0	0
Industrial	0.619	0	0	0	0	0	0	0
Rural Settlement	119.589	0	0	35.747	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	60.938	0	5.343	1.562	0	0	1.911	0
Road	153.21	0	12.371	0	1.272	0.016	2.659	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	60.938
Road	153.21
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Data Ownership

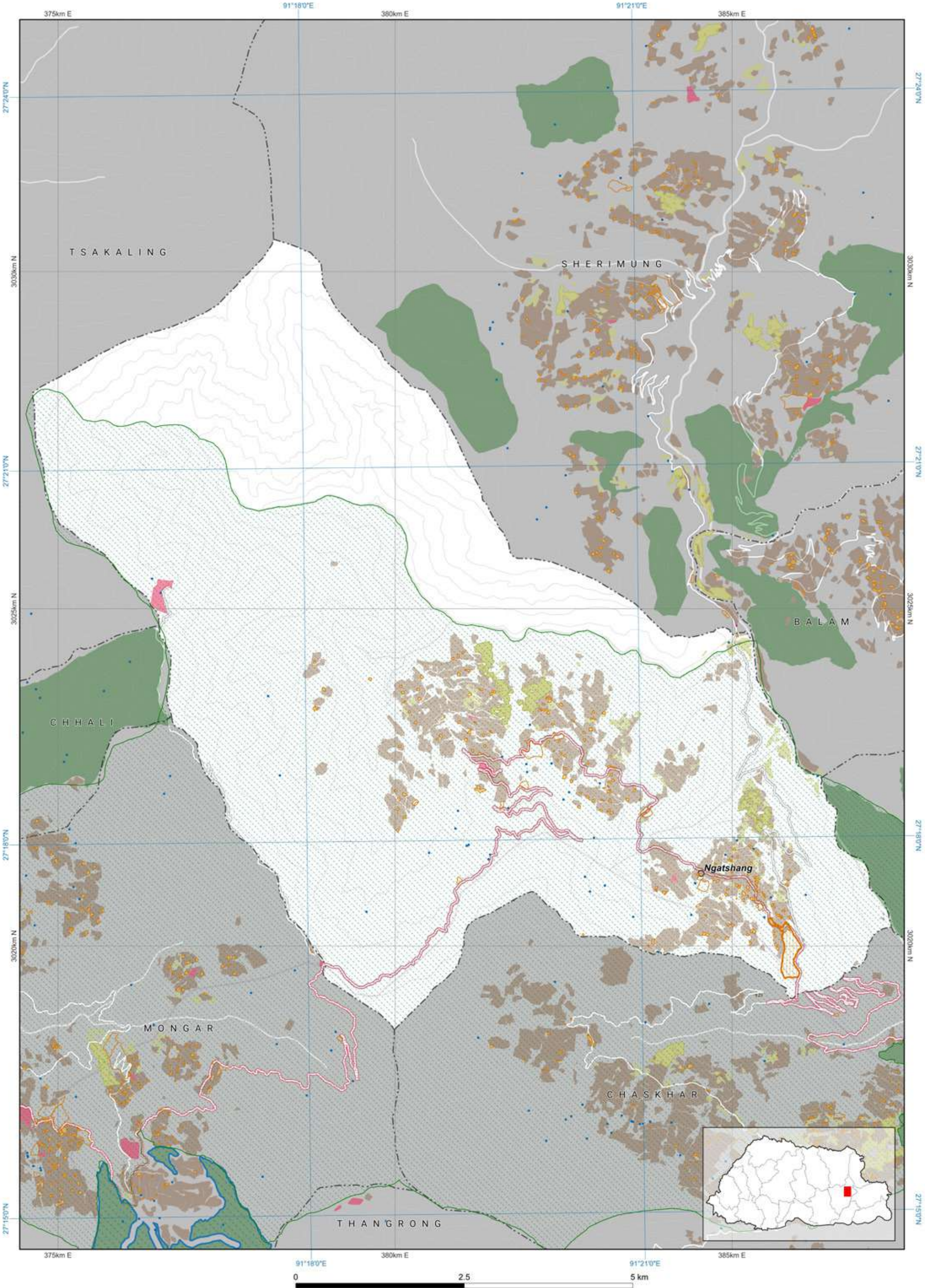
Data Owner of the Map Content
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Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Ngatshang	775	870	1,645	89.1	22.5	3.8
Yadi Town	360	370	730	97.3	6.1	3.4

Mongar: Ngatshang

National Land Use Zoning 2023



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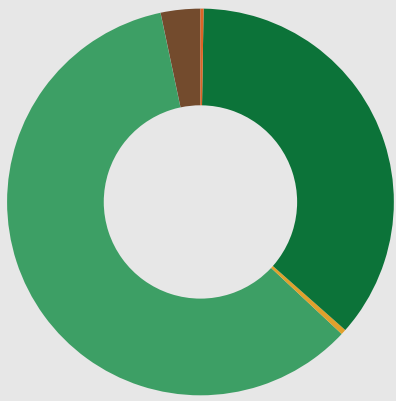
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



SALING

## Zone Area

Gewog	Saling
Gewog code	711
Gewog area	114118.279
Zone	Area
Agriculture	2415.778
Cultural Heritage	3.397
Industrial	5.999
NCA	43631.254
Rangeland	0
Rural Settlement	322.991
SFMA	26496.335
Urban	189.781



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	161.383	911.57	38.466	1.821	5.058	96.751	0
NCA	161.383	0	120.39	25.671	0.142	0.3	28.386	0
Agriculture	911.57	120.39	0	2.593	0	0	0	0
Urban	38.466	25.671	2.593	0	0	0.05	93.601	0
Culture	1.821	0.142	0	0	0	0	0	0
Industrial	5.058	0.3	0	0.05	0	0	0	0
Rural Settlement	96.751	28.386	0	93.601	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	16.975	1.702	2.524	0.217	0	0	0.306	0
Road	0	384.072	18.738	0	0	0.158	4.619	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	23.193
Road	578.528
Flood Hazard	0
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land

Kamzhing

Protected Chhuzhing

Regulated Chhuzhing

Lease Land

Rural Settlement

Residential Land

Institutional Land

Sustainable Forest Management Area

Forest Management Unit

Community Forest

Cultural Heritage

Religious Sites

Heritage Village

Heritage Conservation Zone

Urban

Urban Zone

Nature Conservation Area

Protected Area

Core Zone

Transition Zone

Buffer Zone

Multi Use Zone

Biological Corridor / Botanical Park

Wetland

Ramsar Site

Hazard and Risk

Rain Induced Flood

Glacier Lake Outburst Flood

Right Of Way / Buffer

Heritage

Road

Powerlines

Flight Funnel

Other Effective Area-based Conservation Measures

Key Biodiversity Area

High Conservation Value

Rangeland

Tsamdro

Significant Watershed

Potential Recharge Area

Payment for Ecosystem Services

Water Sources

Industrial

Manufacturing and Production

Service

Existing mines

Airport

Helipad

Hydro Power Plants

Hydro Power Waterways

Basemap

Boundaries

International

Dzongkhag

Gewog

Rivers

Main river

Perennial

Terrain

Contour

Roads for different map scales

Highway 300k

Highway 50k

Highway 25k

Highway 5k

Dzongkhag 50k

Dzongkhag 25k

Dzongkhag 5k

Thromde 50k

Thromde 25k

Thromde 5k

Access 5k

Industrial 5k

Farm 5k

## Data Ownership

### Data Owner of the Map Content

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Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

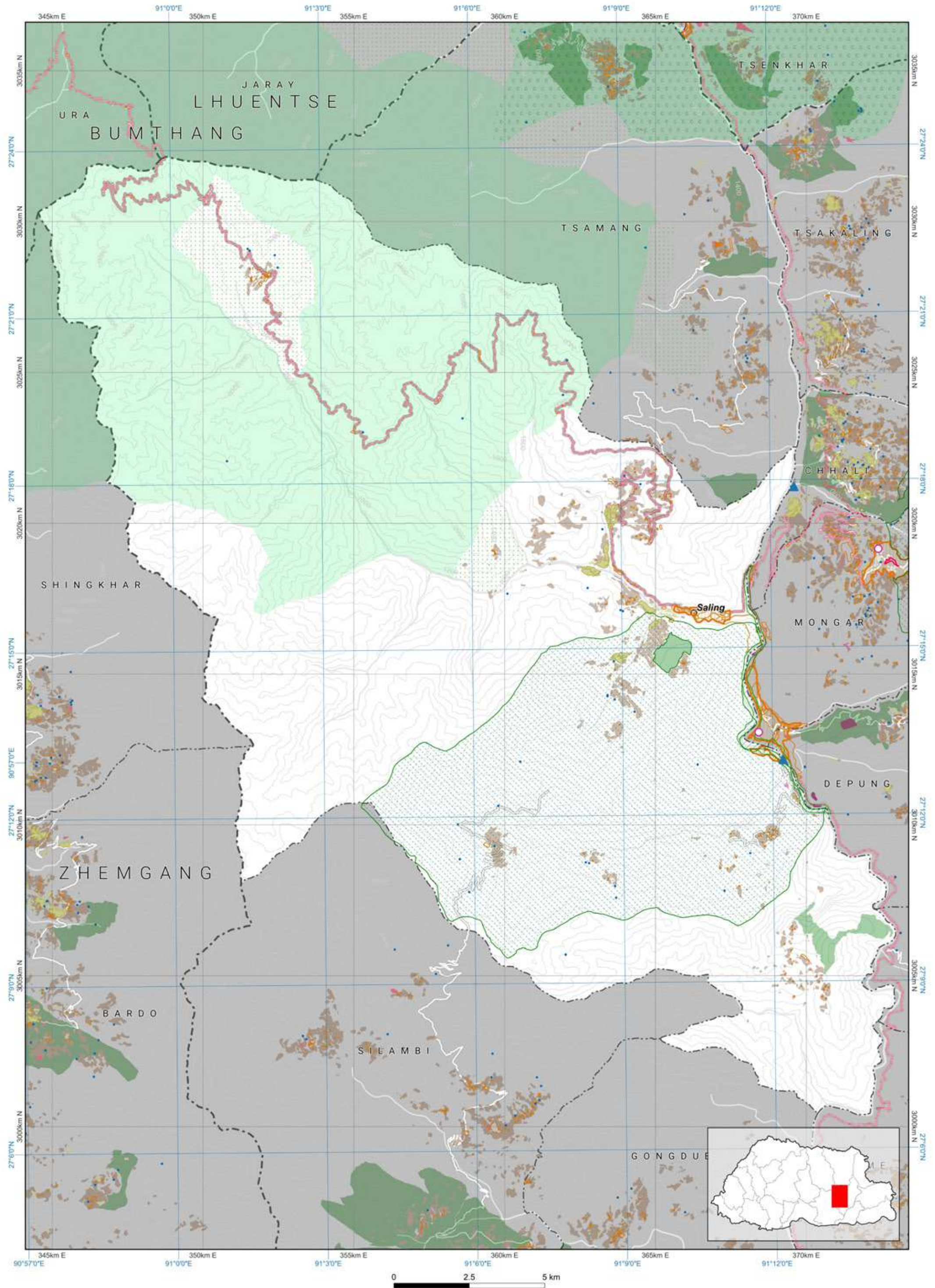
National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Saling	973	956	1,929	101.8	30.2	480
Lingmethang Town	512	440	952	116.4	7.4	233

Mongar: Saling

## National Land Use Zoning 2023



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MONGAR

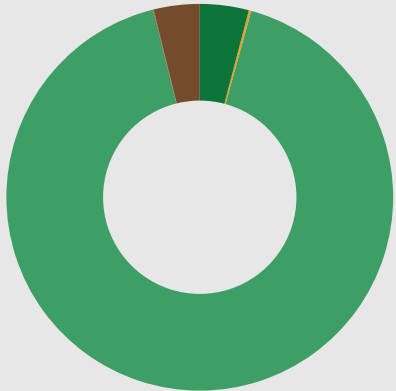




Zone Area

Gewog	Sherimung
Gewog code	712
Gewog area	74677.665

Zone	Area
Agriculture	2142.762
Cultural Heritage	28.949
Industrial	0.432
NCA	51303.51
Rangeland	0
Rural Settlement	116.819
SFMA	2281.435
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

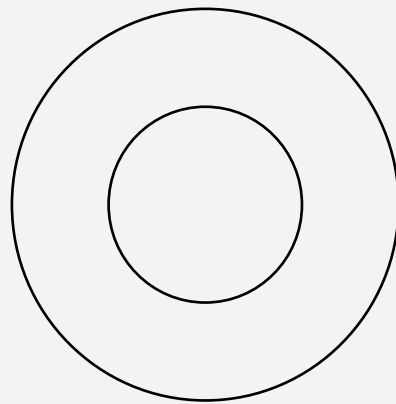
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	50.711	0.00	0	0	0	0	0
NCA	50.711	0	19.78	0	13.976	0.1	1.963	0
Agriculture	0	19.78	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	13.976	0	0	0	0	0	0
Industrial	0	0.1	0	0	0	0	0	0
Rural Settlement	0	1.963	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
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- Sustainable Forest Management Area
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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake
    - Outburst Flood
    - Right Of Way / Buffer
  - Heritage
    - Road
    - Powerlines
    - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

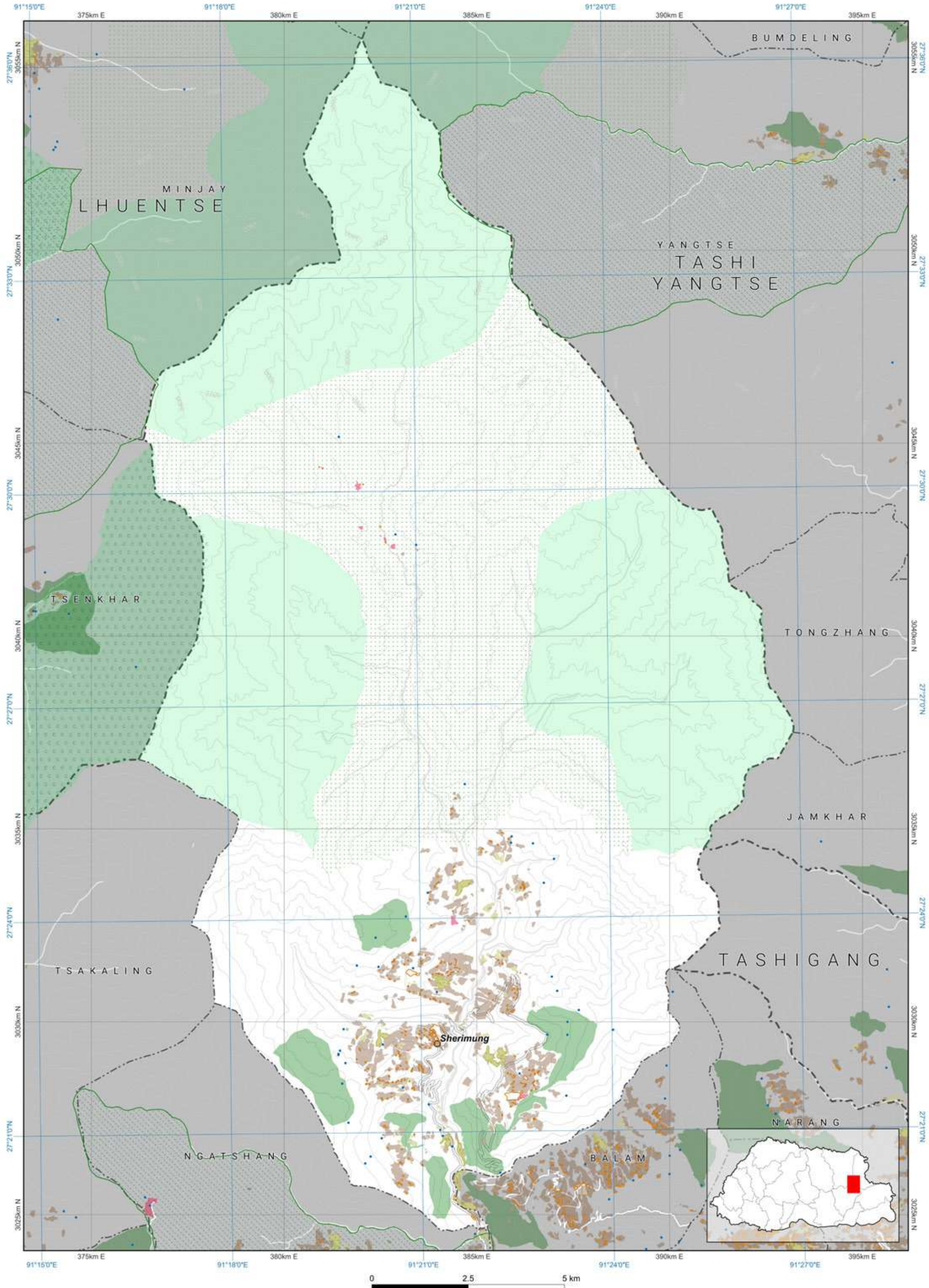
Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population			Sex ratio	Aging Index
	Male	Female	Total		
Sherimung	797	830	1,627	96	21.3

Gewog / Throm	Number of household		Mean Household size
	Male	Female	
Sherimung	411	411	3.5



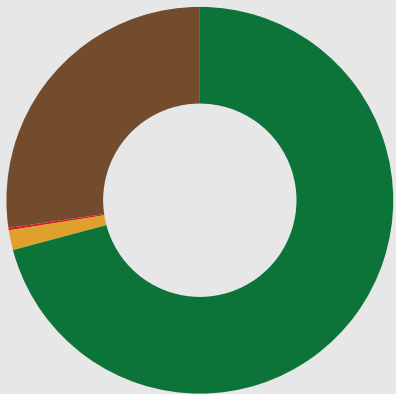
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Zone Area

Gewog	Silambi
Gewog code	713
Gewog area	40089.179
Zone	Area
Agriculture	2132.184
Cultural Heritage	16.463
Industrial	0.05
NCA	0
Rangeland	0
Rural Settlement	135.738
SFMA	4810.727
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

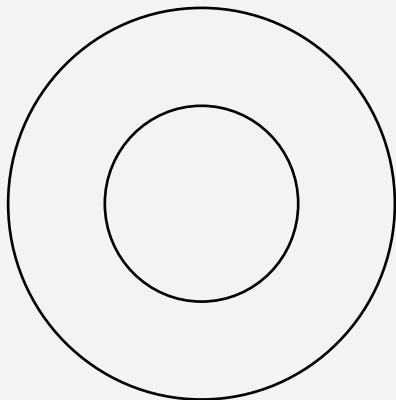
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0.01	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0.01	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

■ Agricultural Land  
■ Kamzhing  
■ Protected Chhuzhing  
■ Regulated Chhuzhing  
■ Lease Land  
■ Rural Settlement  
■ Residential Land  
■ Institutional Land  
■ Sustainable Forest Management Area  
■ Forest Management Unit  
■ Community Forest  
■ Cultural Heritage  
■ Religious Sites  
■ Heritage Village  
■ Heritage Conservation Zone  
■ Urban  
■ Urban Zone

Nature Conservation Area

■ Protected Area  
■ Core Zone  
■ Transition Zone  
■ Buffer Zone  
■ Multi Use Zone  
■ Biological Corridor / Botanical Park  
■ Wetland  
■ Ramsar Site  
■ Hazard and Risk  
■ Rain Induced Flood  
■ Glacier Lake  
■ Outburst Flood  
■ Right Of Way / Buffer  
■ Heritage  
■ Road  
■ Powerlines  
■ Flight Funnel

Other Effective Area-based Conservation Measures

■ Key Biodiversity Area  
■ High Conservation Value  
■ Rangeland  
■ Tsamdro  
■ Significant Watershed  
■ Potential Recharge Area  
■ Payment for Ecosystem Services  
■ Water Sources

Industrial

■ Manufacturing and Production  
■ Service  
■ Existing mines  
■ Airport  
■ Helipad  
■ Hydro Power Plants  
■ Hydro Power Waterways

Basemap

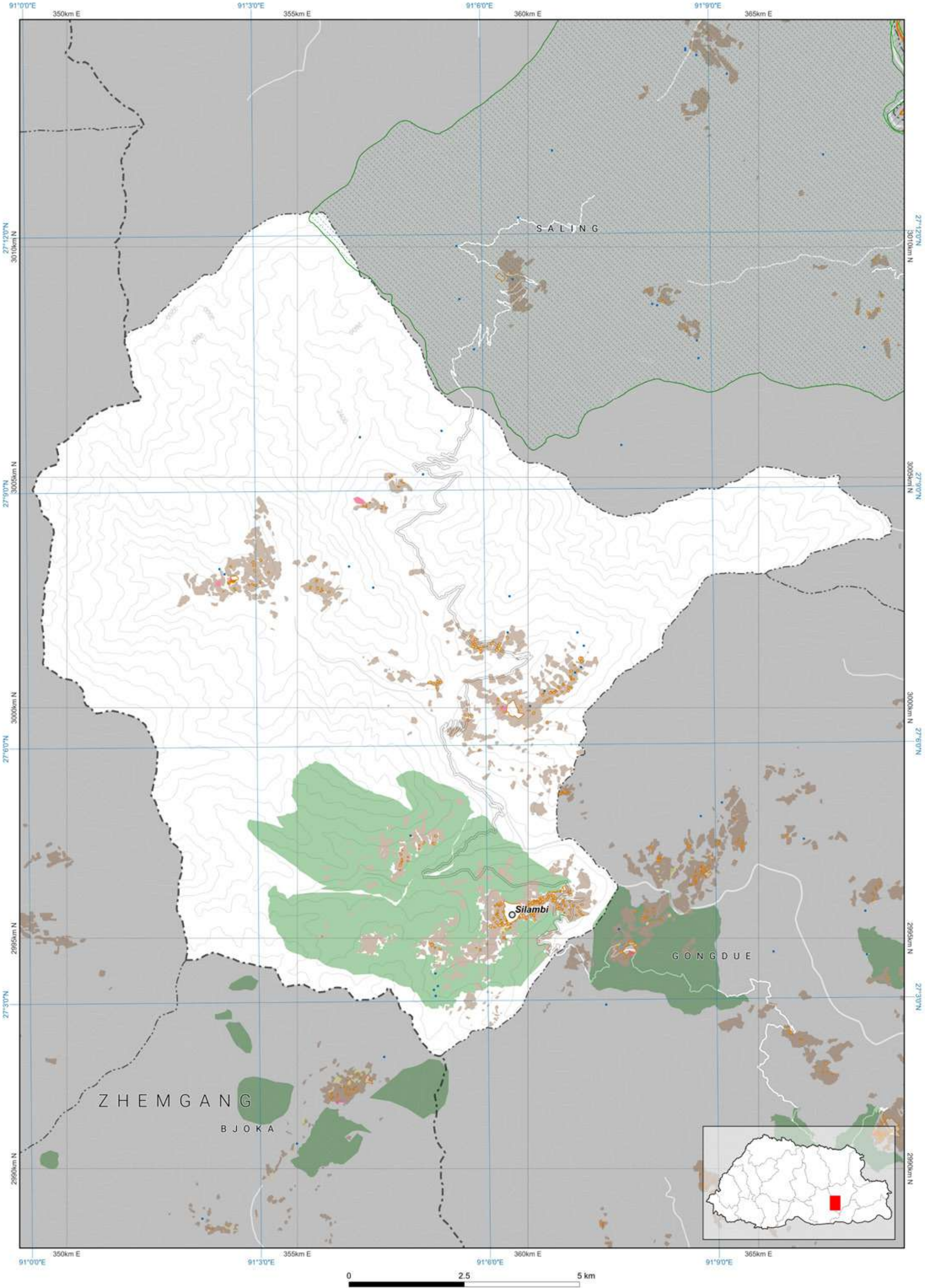
■ Boundaries  
■ International  
■ Dzongkhag  
■ Gewog  
■ Rivers  
■ Main river  
■ Perennial  
■ Terrain  
■ Contour

Roads for different map scales

Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

Mongar: Silambi

National Land Use Zoning 2023



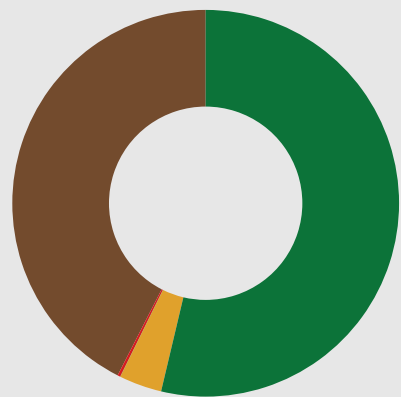
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## Zone Area

Gewog	Thangrong
Gewog code	714
Gewog area	16886.792
Zone	Area
Agriculture	1293.459
Cultural Heritage	7.204
Industrial	0.3
NCA	0.015
Rangeland	0
Rural Settlement	108.814
SFMA	1635.311
Urban	0



All areas are in Acres.

■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

## Zone Conflict

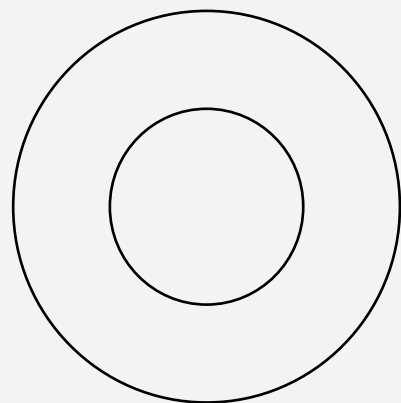
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0.015	0.00	0	0	0	0	0
NCA	0.015	0	0.00	0	0	0	0	0
Agriculture	0.00	0.00	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

## National Land Use Zoning

**Agricultural Land**  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land

**Rural Settlement**  
Residential Land  
Institutional Land

**Sustainable Forest Management Area**  
Forest Management Unit  
Community Forest

**Cultural Heritage**  
Religious Sites  
Heritage Village  
Heritage Conservation Zone

**Urban**  
Urban Zone

**Nature Conservation Area**  
**Protected Area**  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park

**Wetland**  
Ramsar Site

**Hazard and Risk**  
Rain Induced Flood  
Glacier Lake Outburst Flood  
Right Of Way / Buffer

**Other Effective Area-based Conservation Measures**  
Key Biodiversity Area  
High Conservation Value

**Rangeland**  
Tsandro

**Significant Watershed**  
Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources

**Industrial**  
Manufacturing and Production  
Service  
Existing mines  
Airport  
Helipad  
Hydro Power Plants  
Hydro Power Waterways

## Basemap

**Boundaries**  
International  
Dzongkhag  
Gewog

**Rivers**  
Main river  
Perennial

**Terrain**  
Contour

## Roads for different map scales

Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k

Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

## Demographic Table

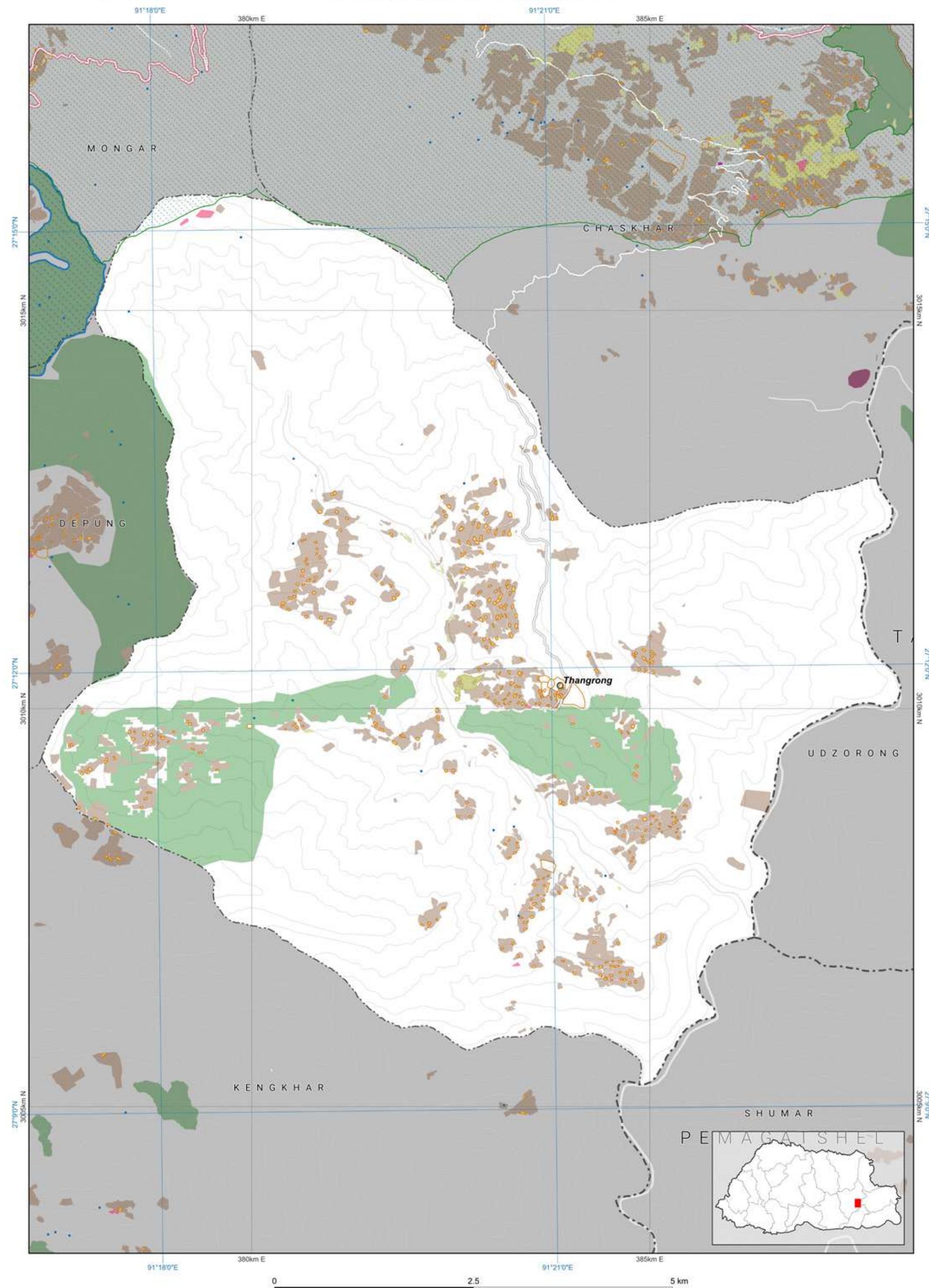
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population		Sex ratio	Aging Index	Number of household
	Male	Female			
Thangrong	717	889	1,606	80.7	28.9
					402
					3.6

## Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Mongar: Thangrong

## National Land Use Zoning 2023



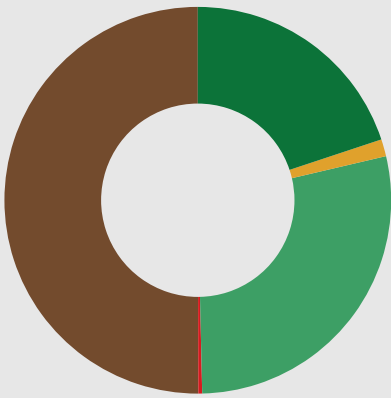
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Zone Area

Gewog	Tsakaling
Gewog code	716
Gewog area	21583.177
Zone	Area
Agriculture	2087.992
Cultural Heritage	13.201
Industrial	0.05
NCA	1180.828
Rangeland	0
Rural Settlement	59.579
SFMA	830.536
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	225.009	0.00	0	0	0	0	0
NCA	225.009	0	0.72	0	0.477	0	0	0
Agriculture	0.00	0.72	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0.477	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0.346	0	2.761	0	0	0	0.283	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	84.256
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

■ Agricultural Land  
■ Kamzhing  
■ Protected Chhuzhing  
■ Regulated Chhuzhing  
■ Lease Land  
■ Rural Settlement  
■ Residential Land  
■ Institutional Land  
■ Sustainable Forest Management Area  
■ Forest Management Unit  
■ Community Forest  
■ Cultural Heritage  
■ Religious Sites  
■ Heritage Village  
■ Heritage Conservation Zone  
■ Urban  
■ Urban Zone

Nature Conservation Area

■ Protected Area  
■ Core Zone  
■ Transition Zone  
■ Buffer Zone  
■ Multi Use Zone  
■ Biological Corridor / Botanical Park  
■ Wetland  
■ Ramsar Site  
■ Hazard and Risk  
■ Rain Induced Flood  
■ Glacier Lake  
■ Outburst Flood  
■ Right Of Way / Buffer  
■ Heritage  
■ Road  
■ Powerlines  
■ Flight Funnel

Other Effective Area-based Conservation Measures

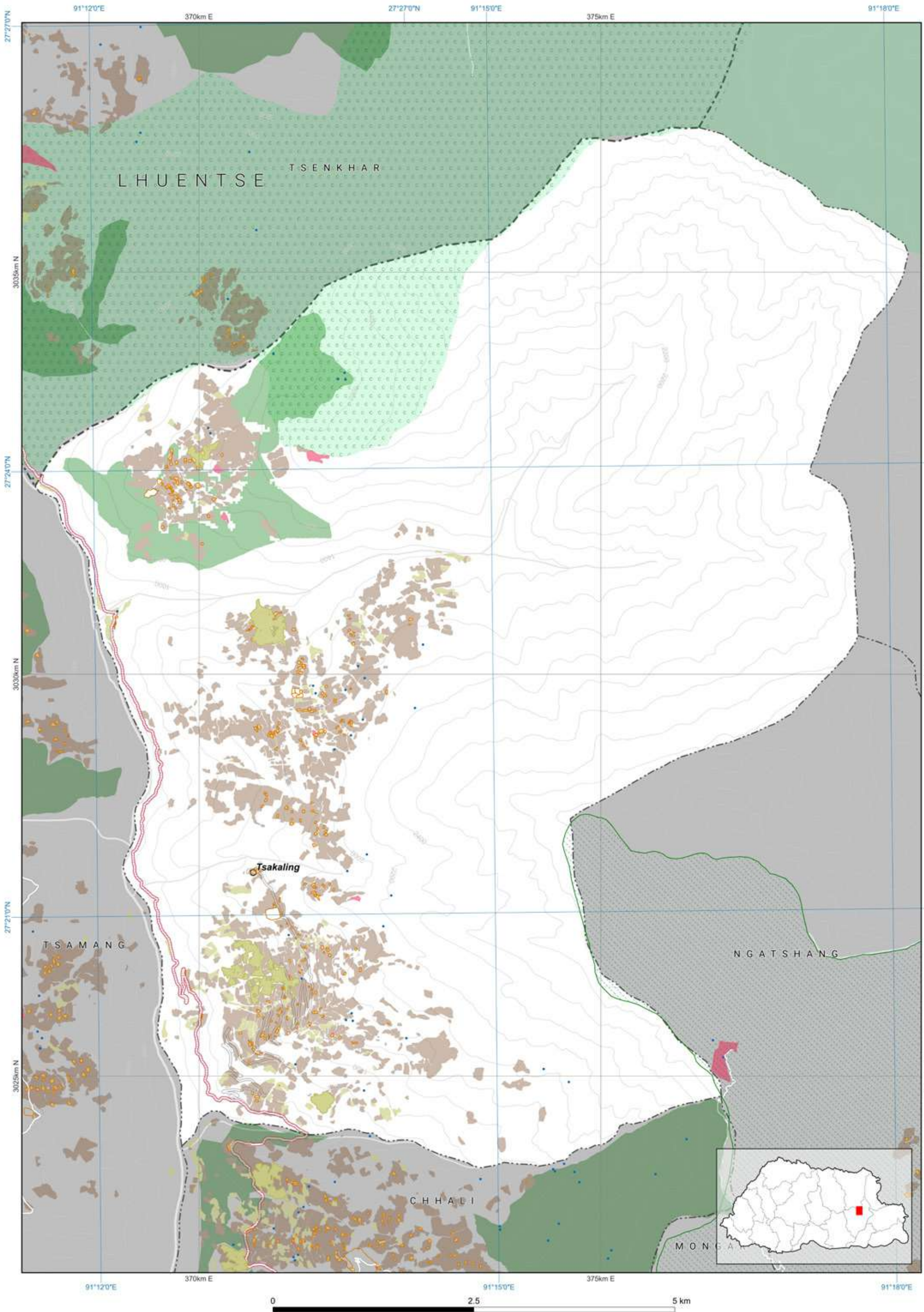
■ Key Biodiversity Area  
■ High Conservation Value  
■ Rangeland  
■ Tsamdro  
■ Significant Watershed  
■ Potential Recharge Area  
■ Payment for Ecosystem Services  
■ Water Sources  
■ Industrial  
■ Manufacturing and Production  
■ Service  
■ Existing mines  
■ Airport  
■ Helipad  
■ Hydro Power Plants  
■ Hydro Power Waterways

Basemap

■ Boundaries  
■ International  
■ Dzongkhag  
■ Gewog  
■ Rivers  
■ Main river  
■ Perennial  
■ Terrain  
■ Contour  
■ Roads for different map scales  
■ Highway 300k  
■ Highway 50k  
■ Highway 25k  
■ Highway 5k  
■ Dzongkhag 50k  
■ Dzongkhag 25k  
■ Dzongkhag 5k  
■ Thromde 50k  
■ Thromde 25k  
■ Thromde 5k  
■ Access 5k  
■ Industrial 5k  
■ Farm 5k

Mongar: Tsakaling

National Land Use Zoning 2023



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Data Owner of the Map Content

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Ministry of Agriculture and Livestock

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
Gewog / Throm	Male	Female	Total				
Tsakaling	544	542	1,086	100.4	89.8	337	2.9

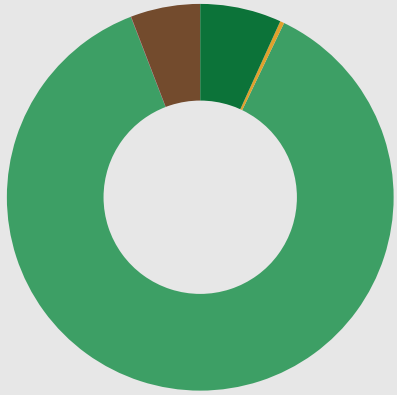




T  
S  
A  
M  
A  
N  
G

## Zone Area

Gewog	Tsamang
Gewog code	715
Gewog area	35751.06
Zone	Area
Agriculture	1516.762
Cultural Heritage	6.469
Industrial	0.099
NCA	22676.542
Rangeland	0
Rural Settlement	90.603
SFMA	1770.074
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

## Zone Conflict

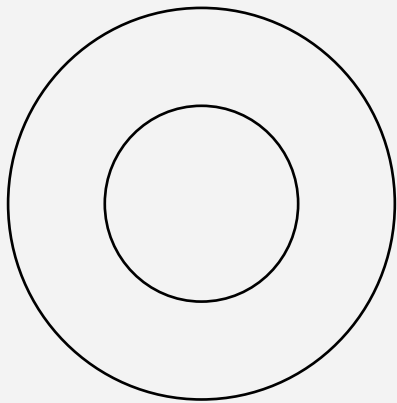
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	937.3	0.00	0	0	0	0	0
NCA	937.3	0	530.64	0	2,404	0.05	31.898	0
Agriculture	0.00	530.64	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	2,404	0	0	0	0	0	0
Industrial	0	0.05	0	0	0	0	0	0
Rural Settlement	0	31.898	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
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  - Ramsar Site
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  - Glacier Lake Outburst Flood
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  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

### Basemap

#### Boundaries

- International
- Dzongkhag
- Gewog

#### Rivers

- Main river
- Perennial

#### Terrain

- Contour

#### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k

- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Data Ownership

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Department of Forests and Park Services  
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Department of Water  
Ministry of Energy and Natural Resources

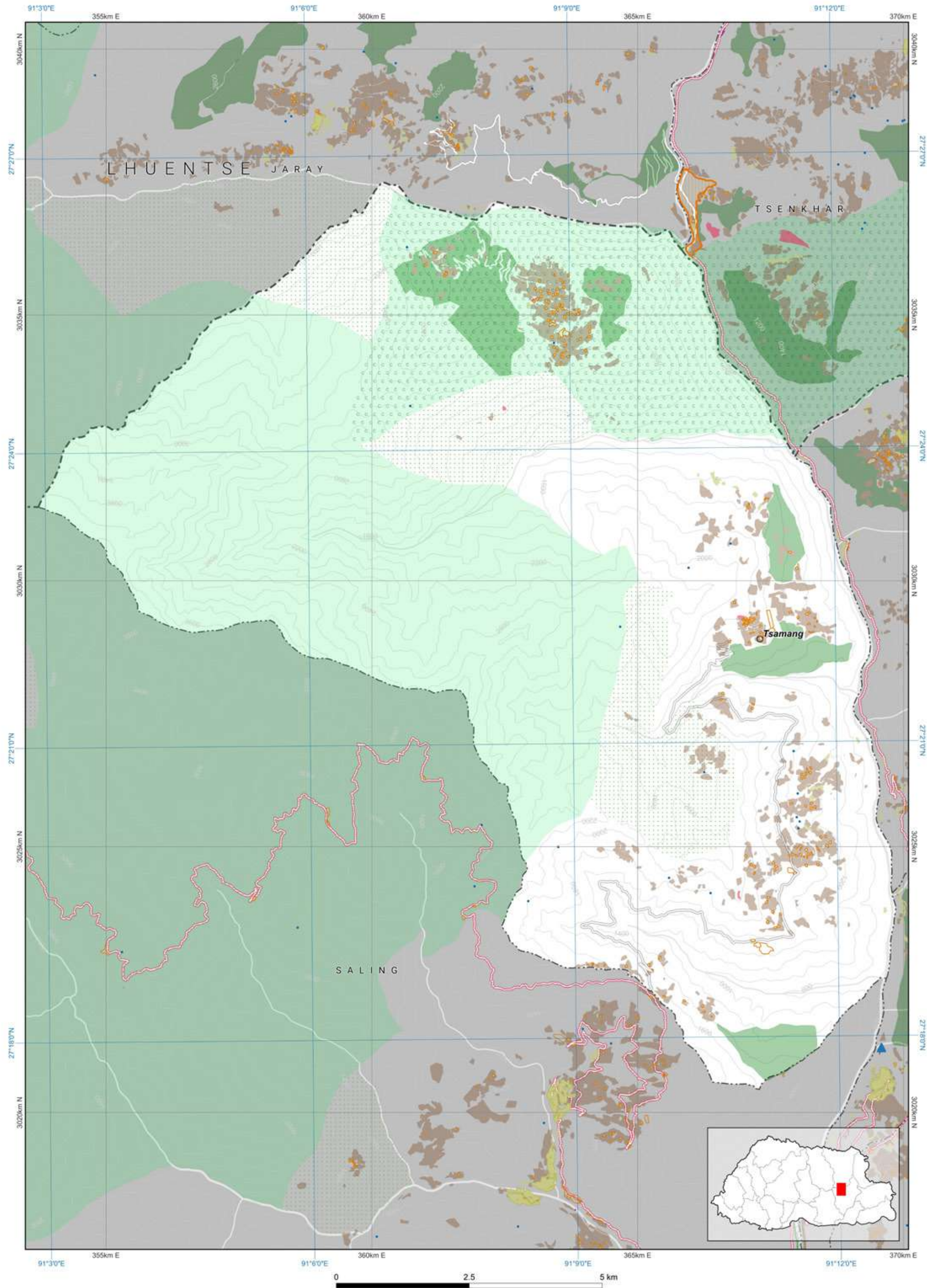
National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Tsamang	444	488	932	91	34	239
						Mean Household size
						3.4

Mongar: Tsamang

## National Land Use Zoning 2023



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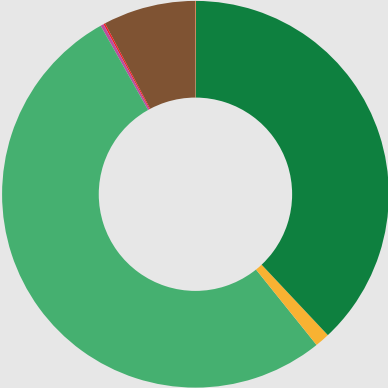
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.





Zone Area

Dzongkhag	Paro
Dzongkhag code	08
Dzongkhag area	317648.413
Zone	Area
Agriculture	15462.573
Culture	289.319
Industrial	528.852
NCA	105019.58
Rangeland	0
Rural Settlement	2460.87
SFMA	75738.826
Urban	90.164



All areas are in Acres.

Agriculture  
Culture  
Industrial  
Nature Conservation Area  
Rangeland  
Rural Settlement  
Sustainable Forest Management Area  
Urban

Zone Conflict

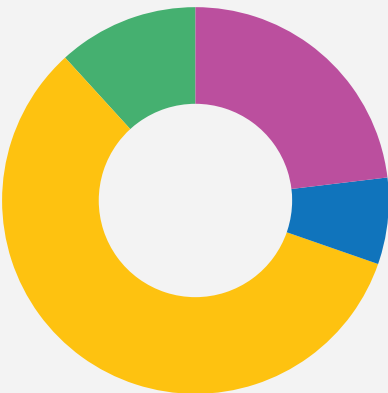
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	641.677	4909.37	40.656	69.667	173.237	1149.566	0
NCA	641.677	0	108.38	0	11.578	4.312	45.341	0
Agriculture	4909.37	108.38	0	2.261	11.204	2.258	0	0
Urban	40.656	0	2.261	0	2.916	0.107	1.979	0
Culture	69.667	11.578	11.204	2.916	0	0	36.862	0
Industrial	173.237	4.312	2.258	0.107	0	0	0.211	0
Rural Settlement	1149.566	45.341	0	1.979	36.862	0.211	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	164.73	0	52.366	0	0	0.237	3.54	0
Road	522.077	0	112.385	0	0.244	2.63	34.375	0
Flood Hazard	70.970	0	36.078	0	0.031	1.159	8.614	0
Flight Funnel	168.499	0	219.241	3.159	0.287	84.95	23.663	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	213.689
Road	1051.015
Flood Hazard	131.212
Flight Funnel	419.296
Heritage	0



Transmission Line  
Road  
Flood Hazard  
Flight Funnel  
Heritage

Demographic Table

Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Paro	1,165	1,153	2,318	101.0	34.0	432	4.1

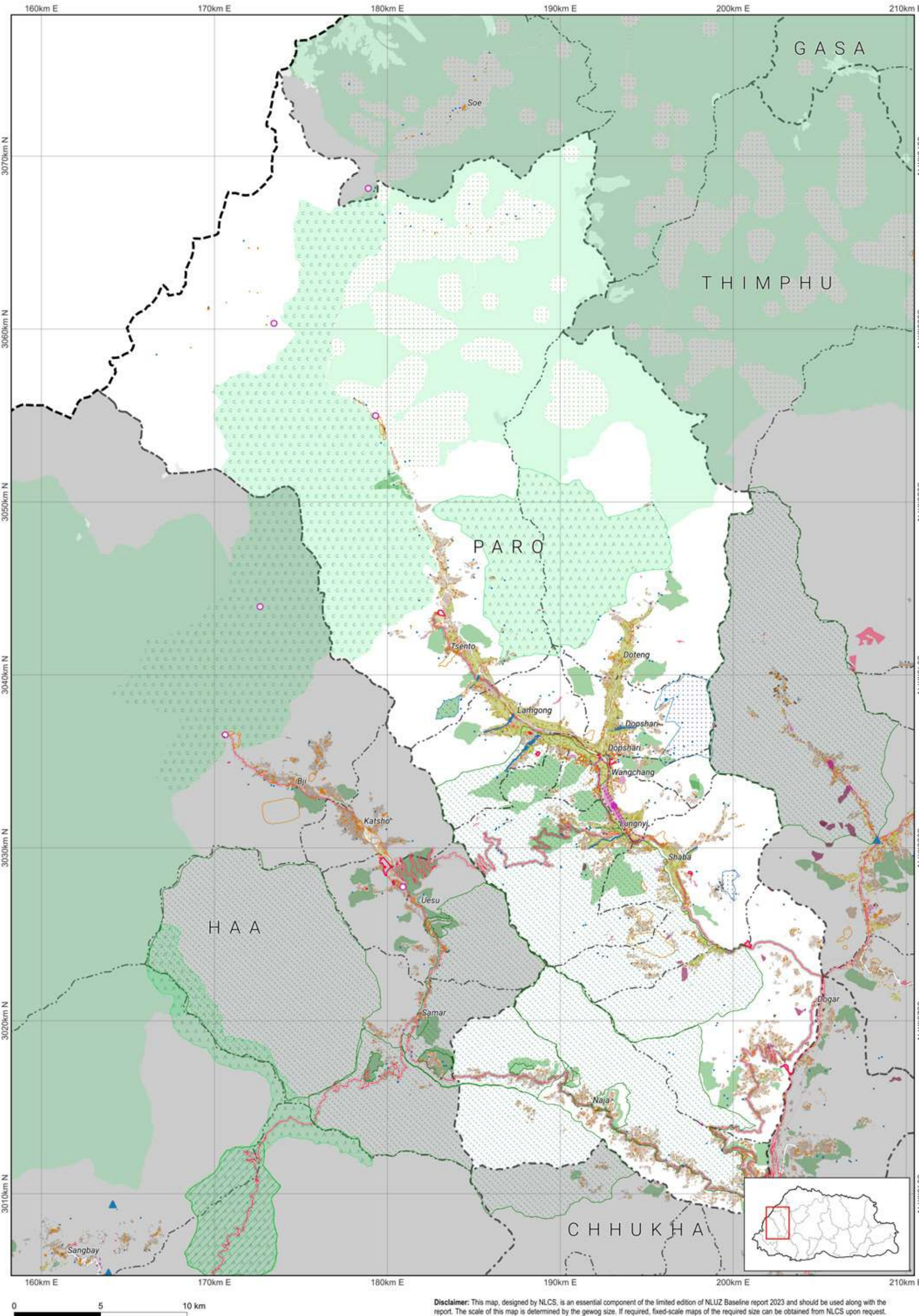
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake Outburst Flood
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    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Paro

National Land Use Zoning 2023

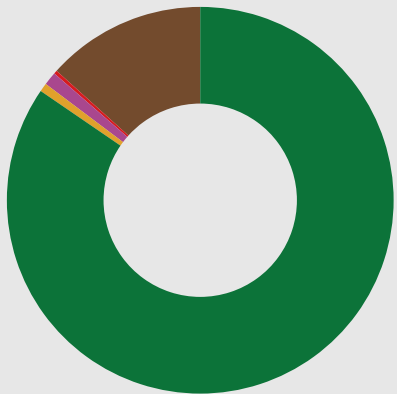






Zone Area

Gewog	Dogar
Gewog code	801
Gewog area	26190.704
Zone	Area
Agriculture	1818.395
Cultural Heritage	39.316
Industrial	151.787
NCA	0
Rangeland	0
Rural Settlement	97.873
SFMA	11536.449
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	196.92	0	0.436	64.048	8.758	0
NCA	0	0	0.00	0	0	0	0	0
Agriculture	196.92	0	0	0	0.265	1.853	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0.436	0	0.265	0	0	0	0	0
Industrial	64.048	0	1.853	0	0	0	0	0
Rural Settlement	8.758	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	8.860	0	0	0	0.081	0
Road	20.969	0	24.311	0	0.146	0.551	3.859	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	65.528
Road	247.001
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Dogar	1,116	1,211	2,327	92.2	30.7	495

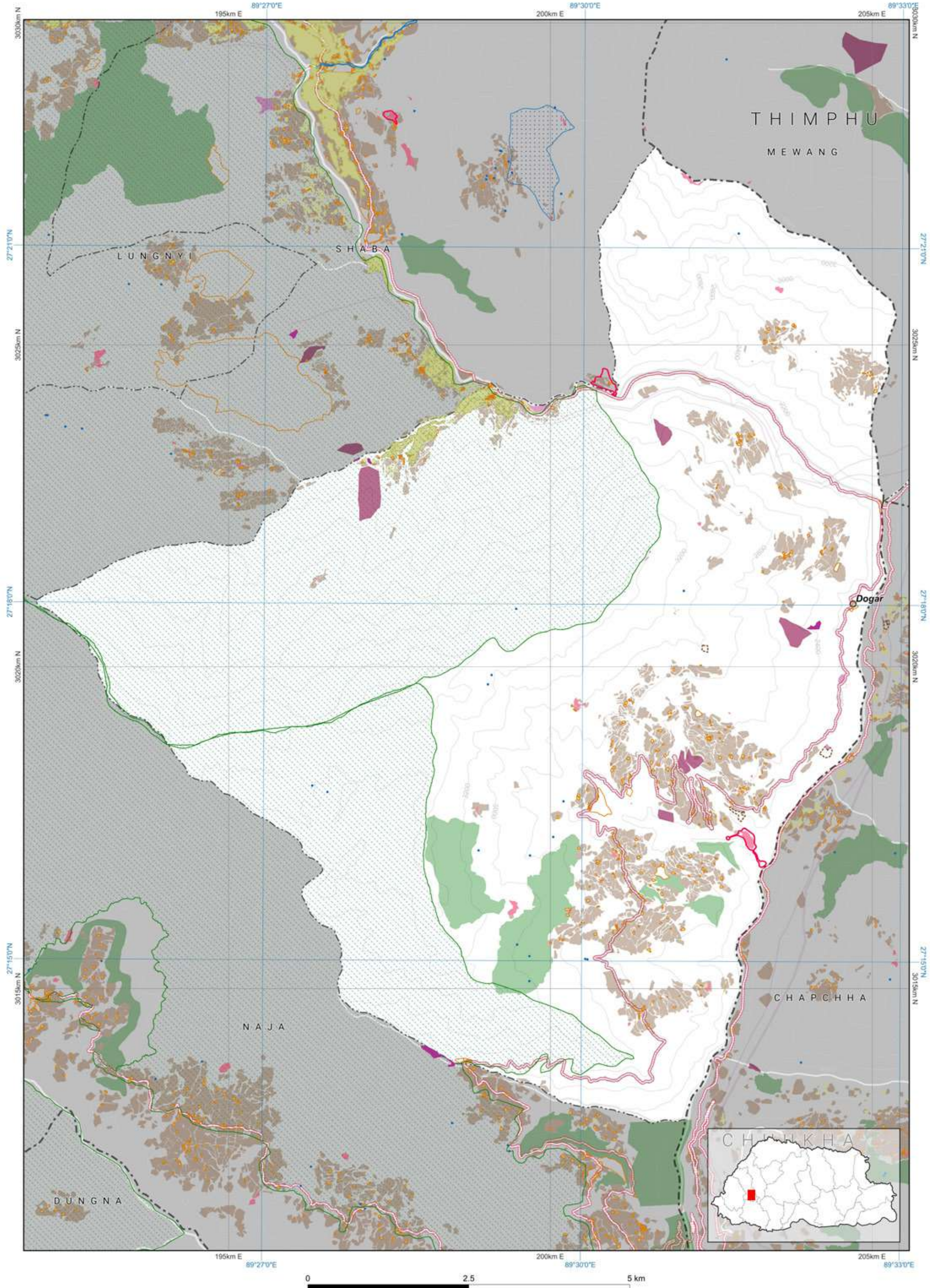
Data Ownership

Data Owner of the Map Content
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Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development Ministry of Home Affairs
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
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    - Buffer Zone
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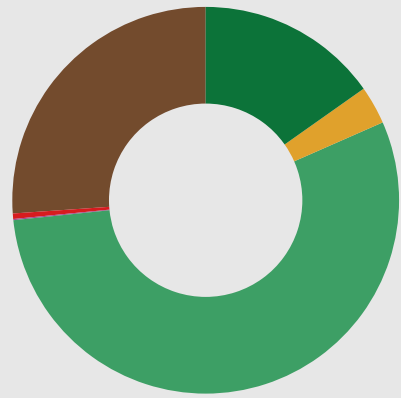
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## Zone Area

Gewog	Dopshari
Gewog code	802
Gewog area	8406.632

Zone	Area
Agriculture	1310.654
Cultural Heritage	22.969
Industrial	4.965
NCA	2759.669
Rangeland	0
Rural Settlement	160.404
SFMA	764.168
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	91.66	0.00	0	10.245	0	0	0
NCA	91.66	0	16.76	0	9.838	4.013	0.696	0
Agriculture	0.00	16.76	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	10.245	9.838	0	0	0	0	0	0
Industrial	0	4.013	0	0	0	0	0	0
Rural Settlement	0	0.696	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	8.779	0	0	0	8.779	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	27.380
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

### National Land Use Zoning

**Agricultural Land**  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
**Rural Settlement**  
Residential Land  
Institutional Land  
**Sustainable Forest Management Area**  
Forest Management Unit  
Community Forest  
**Cultural Heritage**  
Religious Sites  
Heritage Village  
Heritage Conservation Zone

**Urban**  
Urban Zone  
**Nature Conservation Area**  
**Protected Area**  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park  
**Wetland**  
Ramsar Site  
**Hazard and Risk**  
Rain Induced Flood  
Glacier Lake  
Outburst Flood  
Right Of Way / Buffer

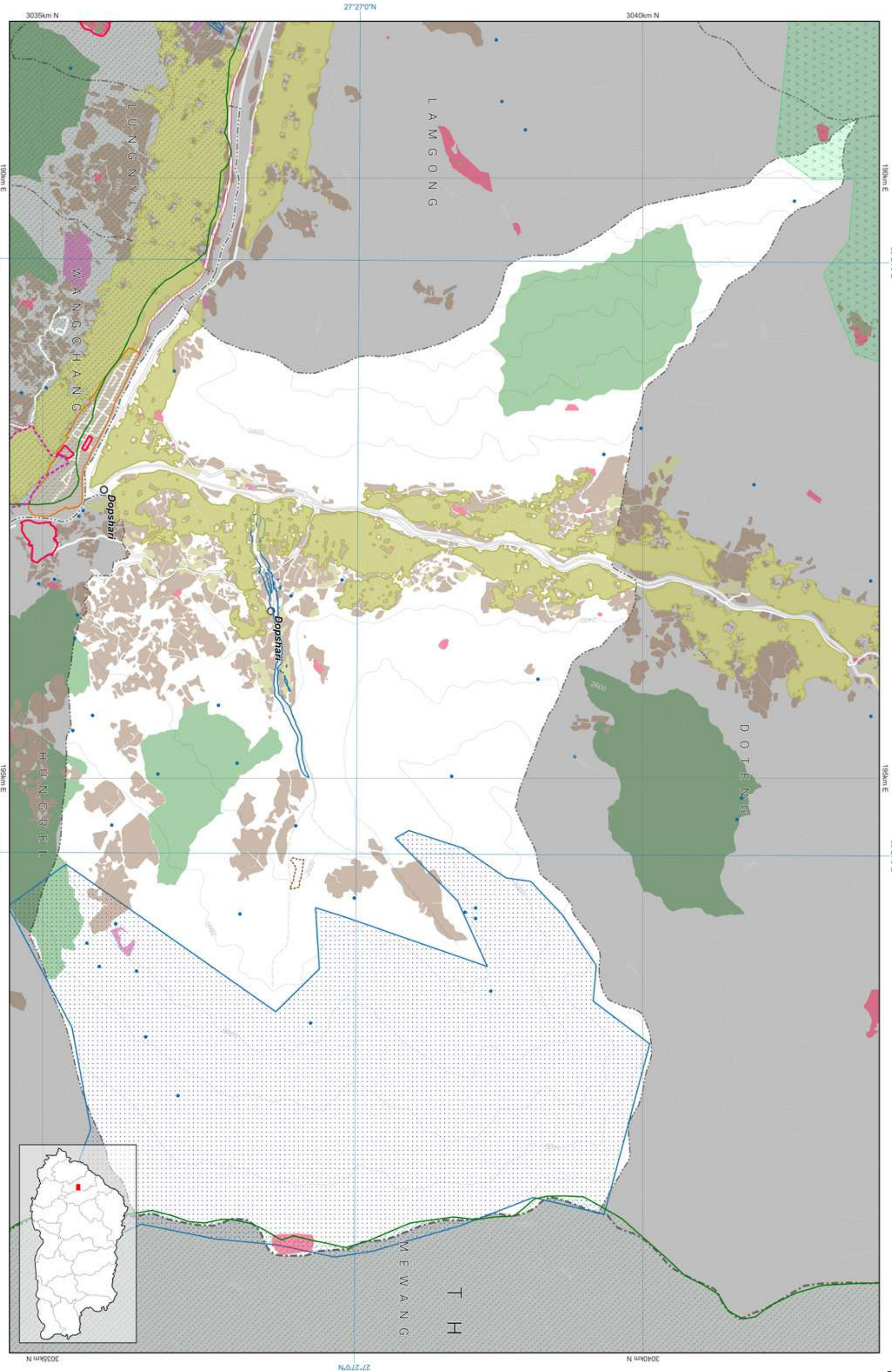
Heritage  
Road  
Powerlines  
Flight Funnel  
**Other Effective Area-based Conservation Measures**  
Key Biodiversity Area  
High Conservation Value  
Rangeland  
Tsamdro  
**Significant Watershed**  
Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources

**Industrial**  
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Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

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0 1.25 2.5 km

The scale of this map is determined by the geospatial data. If required, the scale of the map can be determined from the geospatial data. The map is compiled from the data of multiple agencies.



## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Dopshari	1,623	1,710	3,333	94.9	29.7	776
Paro Town	5,828	5,620	11,448	103.7	17.2	2,642

**Disclaimer:**  
Disclaimer: The demographic statistics provided in the table above for Paro town encompass not only the area falling under the Dopshari gewog but also include the demographic statistics of the town area falling under the Lungnyi, Hungrel and Wangchang gewog. The same statistics for Paro town can be found under the Lungnyi, Hungrel and Wangchang gewog.

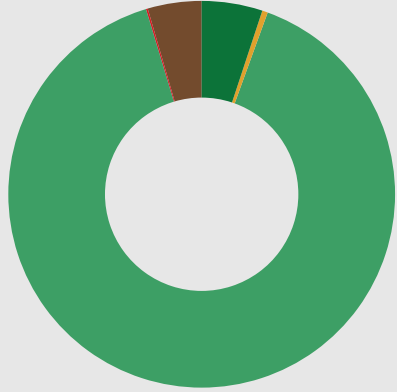
## Data Ownership

Data Owner of the Map Content
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Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
National Land Commission Secretariat



Zone Area

Gewog	Doteng
Gewog code	803
Gewog area	47989.04
Zone	Area
Agriculture	823.053
Cultural Heritage	27.205
Industrial	0.15
NCA	16413.679
Rangeland	0
Rural Settlement	85.469
SFMA	927.264
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

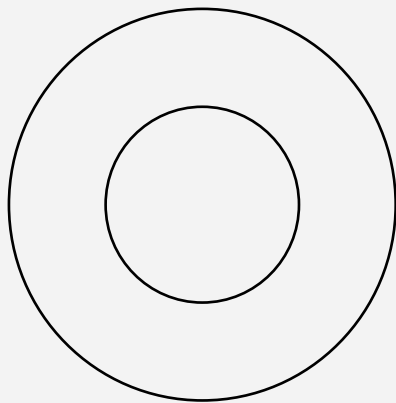
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0.523	0	0	0	0	0	0
NCA	0.523	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

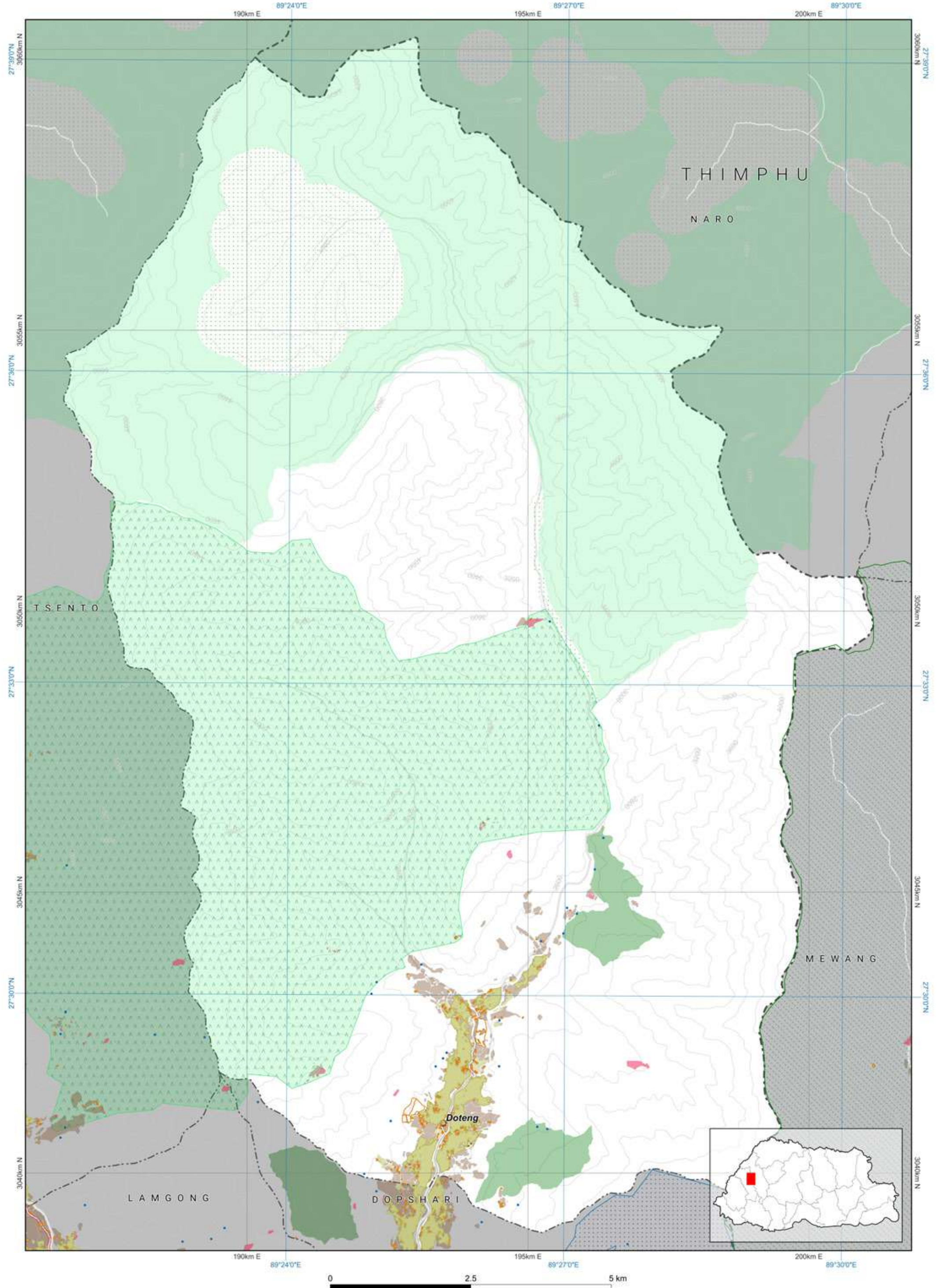
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Paro: Doteng

National Land Use Zoning 2023



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The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Doteng	651	652	1,303	99.8	32.7	290

Data Ownership

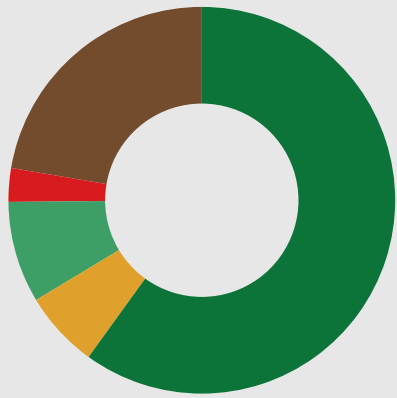
Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Centre for Hydrology and Meteorology
National Land Commission Secretariat





Zone Area

Gewog	Hungrel
Gewog code	804
Gewog area	2564.605
Zone	Area
Agriculture	218.091
Cultural Heritage	27.454
Industrial	0
NCA	82.94
Rangeland	0
Rural Settlement	62.702
SFMA	585.588
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

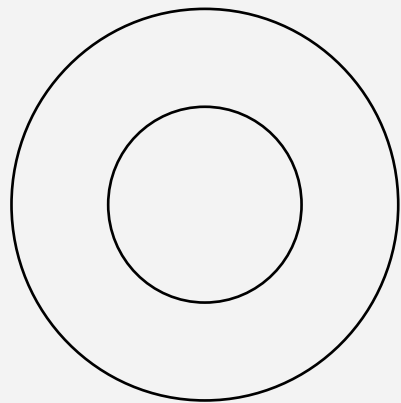
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	16.22	0.00	0	16.861	0	0	0
NCA	16.22	0	0.00	0	0	0	0	0
Agriculture	0.00	0	0	0	0.159	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	16.861	0	0.159	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
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- Other Effective Area-based Conservation Measures
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  - High Conservation Value
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  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour

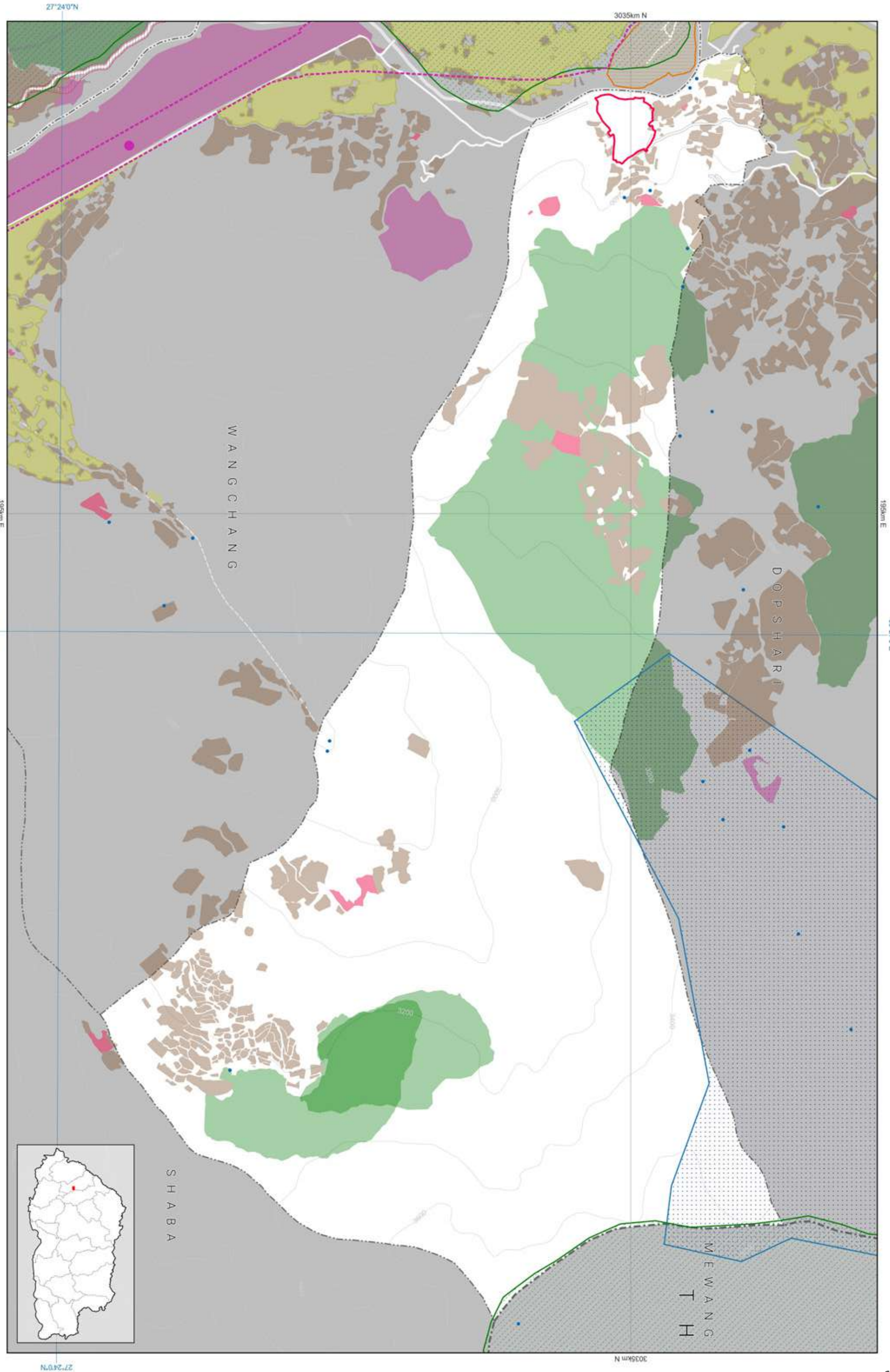
Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

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Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Hungrel	266	70	336	380.0	25.5	45
Paro Town	5,828	5,620	11,448	103.7	17.2	2,642

**Disclaimer:**  
Disclaimer: The demographic statistics provided in the table above for Paro town encompass not only the area falling under the Hungrel gewog but also include the demographic statistics of the town area falling under the Lungnyi, Dopshari and Wangchang gewog. The same statistics for Paro town can be found under the Lungnyi, Dopshari and Wangchang gewog.

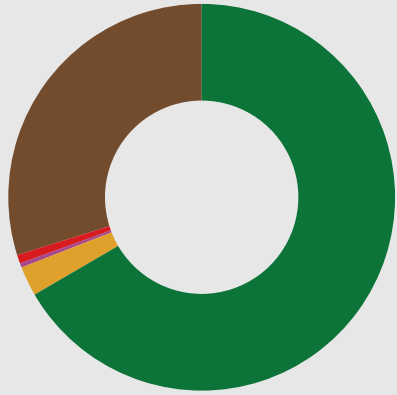
Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development Ministry of Home Affairs
National Land Commission Secretariat



## Zone Area

Gewog	Lamgong
Gewog code	805
Gewog area	12118.537
Zone	Area
Agriculture	1654.06
Cultural Heritage	40.233
Industrial	19.658
NCA	0
Rangeland	0
Rural Settlement	137.57
SFMA	3691.762
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

## Map Legend

### National Land Use Zoning

Agricultural Land  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
Rural Settlement  
Residential Land  
Institutional Land  
Sustainable Forest Management Area  
Forest Management Unit  
Community Forest

Cultural Heritage  
Religious Sites  
Heritage Village  
Heritage Conservation Zone

Urban  
Urban Zone

### Nature Conservation Area

Protected Area  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park

Wetland  
Ramsar Site

### Hazard and Risk

Rain Induced Flood  
Glacier Lake  
Outburst Flood  
Right Of Way / Buffer  
Heritage  
Road  
Powerlines  
Flight Funnel

### Other Effective Area-based Conservation Measures

Key Biodiversity Area  
High Conservation Value

Rangeland  
Tsamdro

### Significant Watershed

Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources

### Industrial

Manufacturing and Production  
Service  
Existing mines  
Airport  
Helipad  
Hydro Power Plants  
Hydro Power Waterways

### Basemap

Boundaries  
International  
Dzongkhag  
Gewog

Rivers  
Main river  
Perennial

Terrain  
Contour

### Roads for different map scales

Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	414.44	0	15.781	11.571	28.184	0
NCA	0	0	0.00	0	0	0	0	0
Agriculture	414.44	0	0	0	2.398	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	15.781	0	2.398	0	0	0	0	0
Industrial	11.571	0	0	0	0	0	0	0
Rural Settlement	28.184	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	10.248	0	0	0.244	1.686	0
Flood Hazard	32.509	0	14.747	0	0	1.159	4.195	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	34.939
Flood Hazard	46.307
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Data Ownership

### Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Culture and Dzongkha Development  
Ministry of Home Affairs

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

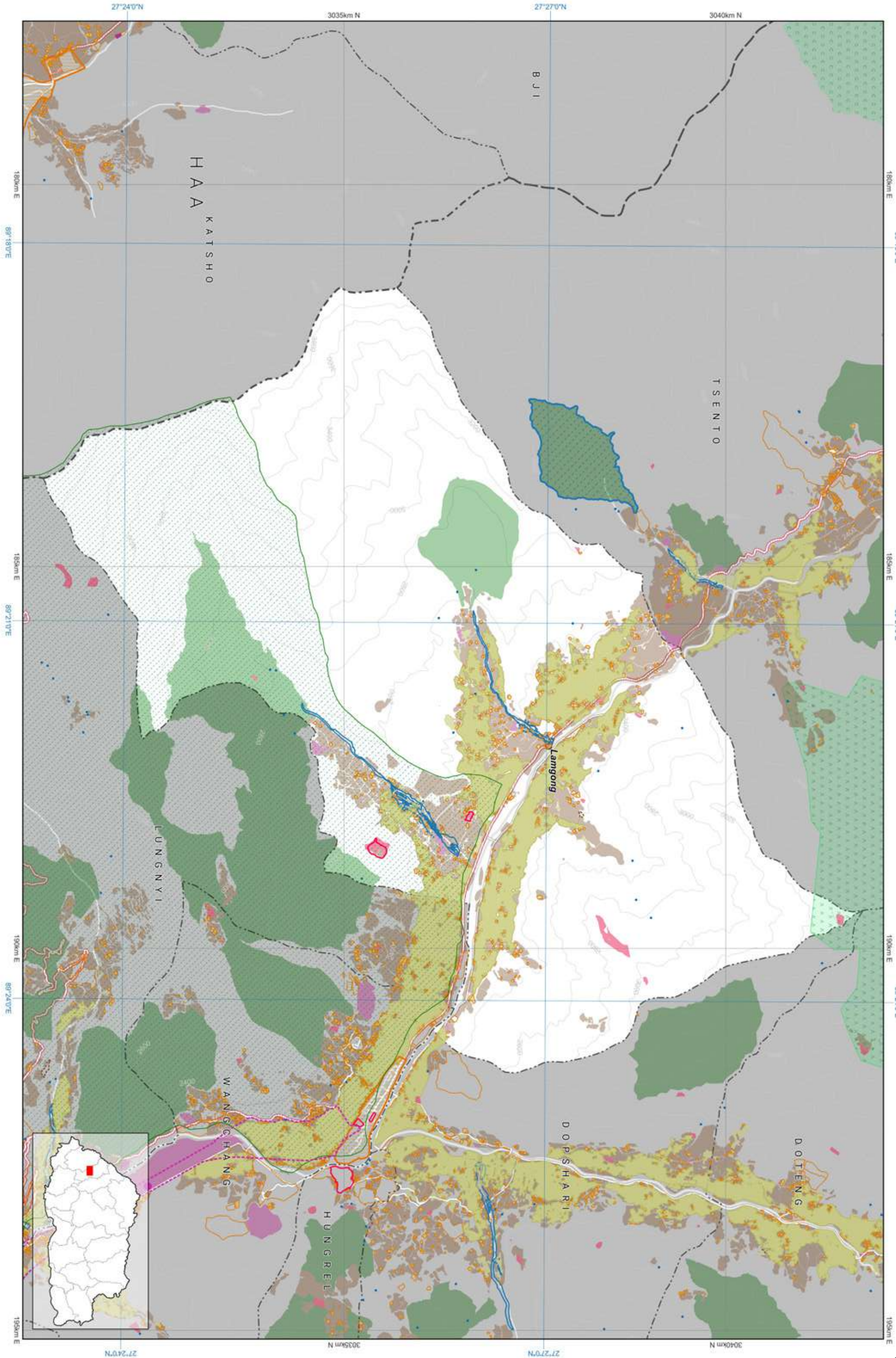
## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Lamgong	2,972	2,874	5,846	103.4	27.9	1,389

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0 1.25 2.5 km

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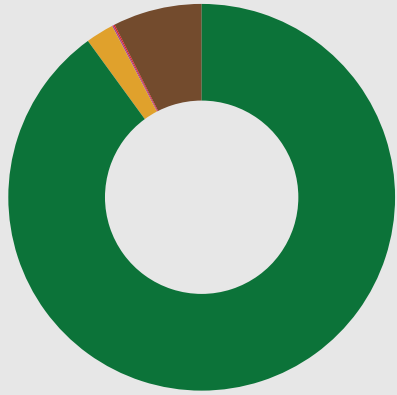
LUNGNYI

## Zone Area

All areas are in Acres.

Gewog	Lungnyi
Gewog code	806
Gewog area	18767.326

Zone	Area
Agriculture	1537.772
Cultural Heritage	21.914
Industrial	25.882
NCA	0
Rangeland	0
Rural Settlement	484.705
SFMA	18600.53
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

## Zone Conflict

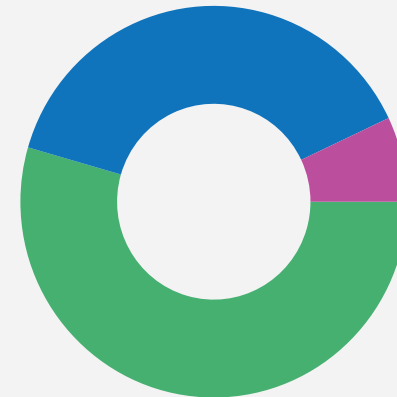
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	1,475.52	0	21.914	21.215	463.871	0
NCA	0	0	0	0	0	0	0	0
Agriculture	1,475.52	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	21.914	0	0	0	0	0	0	0
Industrial	21.215	0	0	0	0	0	0	0
Rural Settlement	463.871	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	56.99	0	10.649	0	0	0.01	1.425	0
Road	257.372	0	11.285	0	0.083	0.87	11.605	0
Flood Hazard	38.461	0	7.591	0	0.031	0	1.906	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	56.99
Road	0
Flood Hazard	40.270
Flight Funnel	7.352
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

### National Land Use Zoning

**Agricultural Land**  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
**Rural Settlement**  
Residential Land  
Institutional Land  
**Sustainable Forest Management Area**  
Forest Management Unit  
Community Forest  
**Cultural Heritage**  
Religious Sites  
Heritage Village  
Heritage Conservation Zone  
**Urban**  
Urban Zone  
**Nature Conservation Area**  
**Protected Area**  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park  
**Wetland**  
Ramsar Site  
**Hazard and Risk**  
Rain Induced Flood  
Glacier Lake Outburst Flood  
Right Of Way / Buffer  
Heritage  
Road  
Powerlines  
Flight Funnel  
**Other Effective Area-based Conservation Measures**  
Key Biodiversity Area  
High Conservation Value  
Rangeland  
Tsamdro  
**Significant Watershed**  
Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources  
**Industrial**  
Manufacturing and Production  
Service  
Existing mines  
Airport  
Helipad  
Hydro Power Plants  
Hydro Power Waterways

### Basemap

**Boundaries**  
International  
Dzongkhag  
Gewog  
**Rivers**  
Main river  
Perennial  
**Terrain**  
Contour

### Roads for different map scales

Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

## Data Ownership

### Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Geology and Mines  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Air Transport  
Ministry of Infrastructure and Transport

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

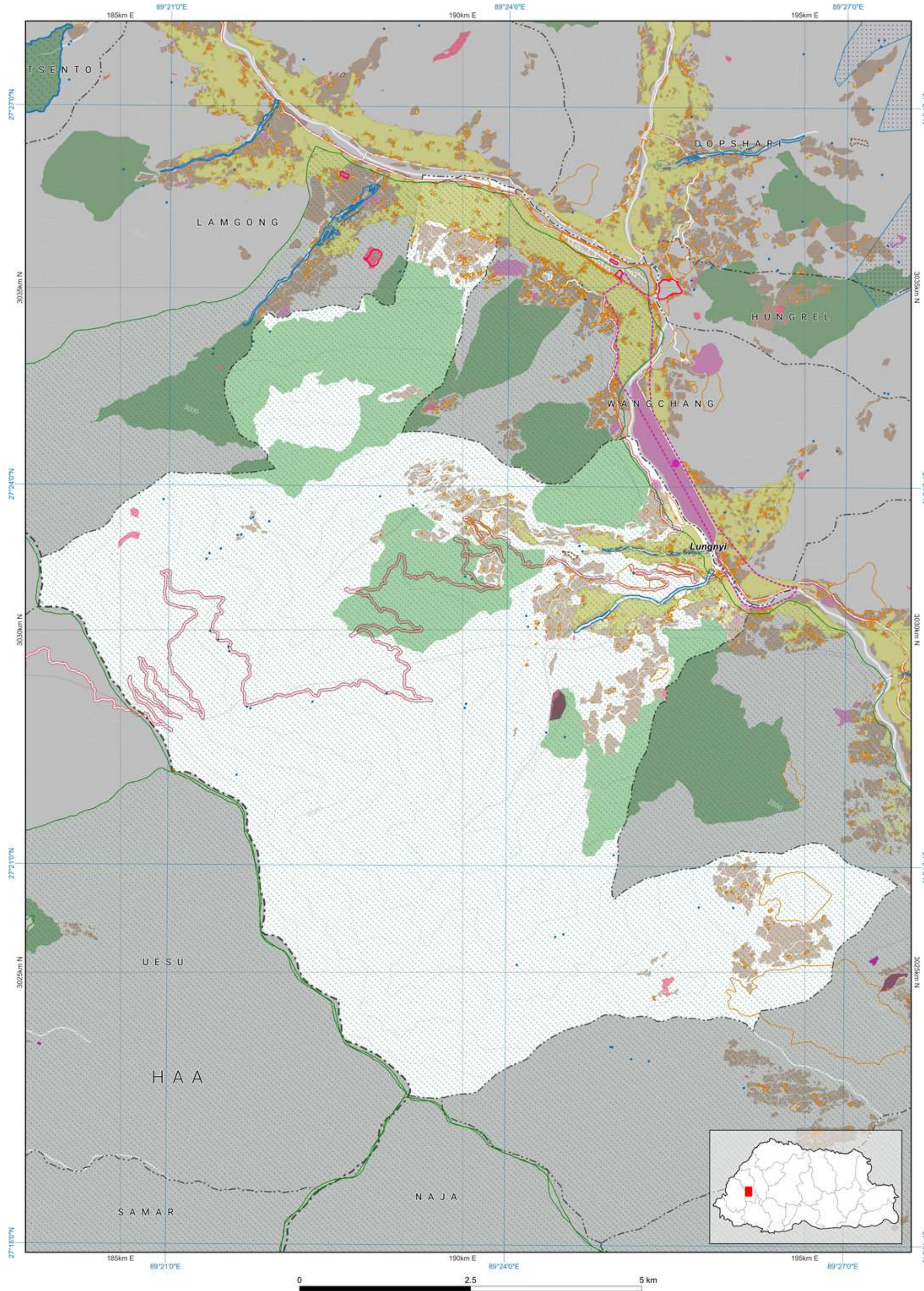
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Lungnyi	2,453	2,274	4,727	107.9	23.2	1,046
Paro Town	5,828	5,620	11,448	103.7	17.2	2,642

### Disclaimer:

Disclaimer: The demographic statistics provided in the table above for Paro town encompass not only the area falling under the Lungnyi gewog but also include the demographic statistics of the town area falling under the Hungrel, Dopshari and Wangchang gewog. The same statistics for Paro town can be found under the Hungrel, Dopshari and Wangchang gewog.

Paro: Lungnyi

## National Land Use Zoning 2023



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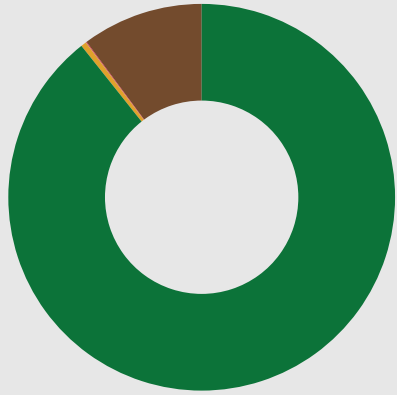


NAJA

## Zone Area

Gewog	Naja
Gewog code	807
Gewog area	33571.987

Zone	Area
Agriculture	3154.874
Cultural Heritage	16.781
Industrial	8.19
NCA	0
Rangeland	0
Rural Settlement	142.964
SFMA	27775.223
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	1,541.52	0	11.386	8.09	44.966	0
NCA	0	0	0	0	0	0	0	0
Agriculture	1,541.52	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	11.386	0	0	0	0	0	0	0
Industrial	8.09	0	0	0	0	0	0	0
Rural Settlement	44.966	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	222.382	0	42.000	0	0	0	6.728	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	338.331
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

### National Land Use Zoning

■ Agricultural Land  
■ Kamzhing  
■ Protected Chhuzhing  
■ Regulated Chhuzhing  
■ Lease Land  
■ Rural Settlement  
■ Residential Land  
■ Institutional Land  
■ Sustainable Forest Management Area  
■ Forest Management Unit  
■ Community Forest

■ Cultural Heritage  
■ Religious Sites  
■ Heritage Village  
■ Heritage Conservation Zone

■ Urban  
■ Urban Zone

### Nature Conservation Area

#### Protected Area

■ Core Zone  
■ Transition Zone  
■ Buffer Zone  
■ Multi Use Zone  
■ Biological Corridor / Botanical Park

#### Wetland

■ Ramsar Site

#### Hazard and Risk

■ Rain Induced Flood  
■ Glacier Lake Outburst Flood  
■ Right Of Way / Buffer  
■ Heritage  
■ Road  
■ Powerlines  
■ Flight Funnel

#### Other Effective Area-based Conservation Measures

■ Key Biodiversity Area  
■ High Conservation Value

■ Rangeland  
■ Tsamdro

#### Significant Watershed

■ Potential Recharge Area  
■ Payment for Ecosystem Services  
■ Water Sources

#### Industrial

■ Manufacturing and Production  
■ Service  
■ Existing mines  
■ Airport  
■ Helipad  
■ Hydro Power Plants  
■ Hydro Power Waterways

### Basemap

#### Boundaries

■ International  
■ Dzongkhag  
■ Gewog

#### Rivers

■ Main river  
■ Perennial

#### Terrain

■ Contour

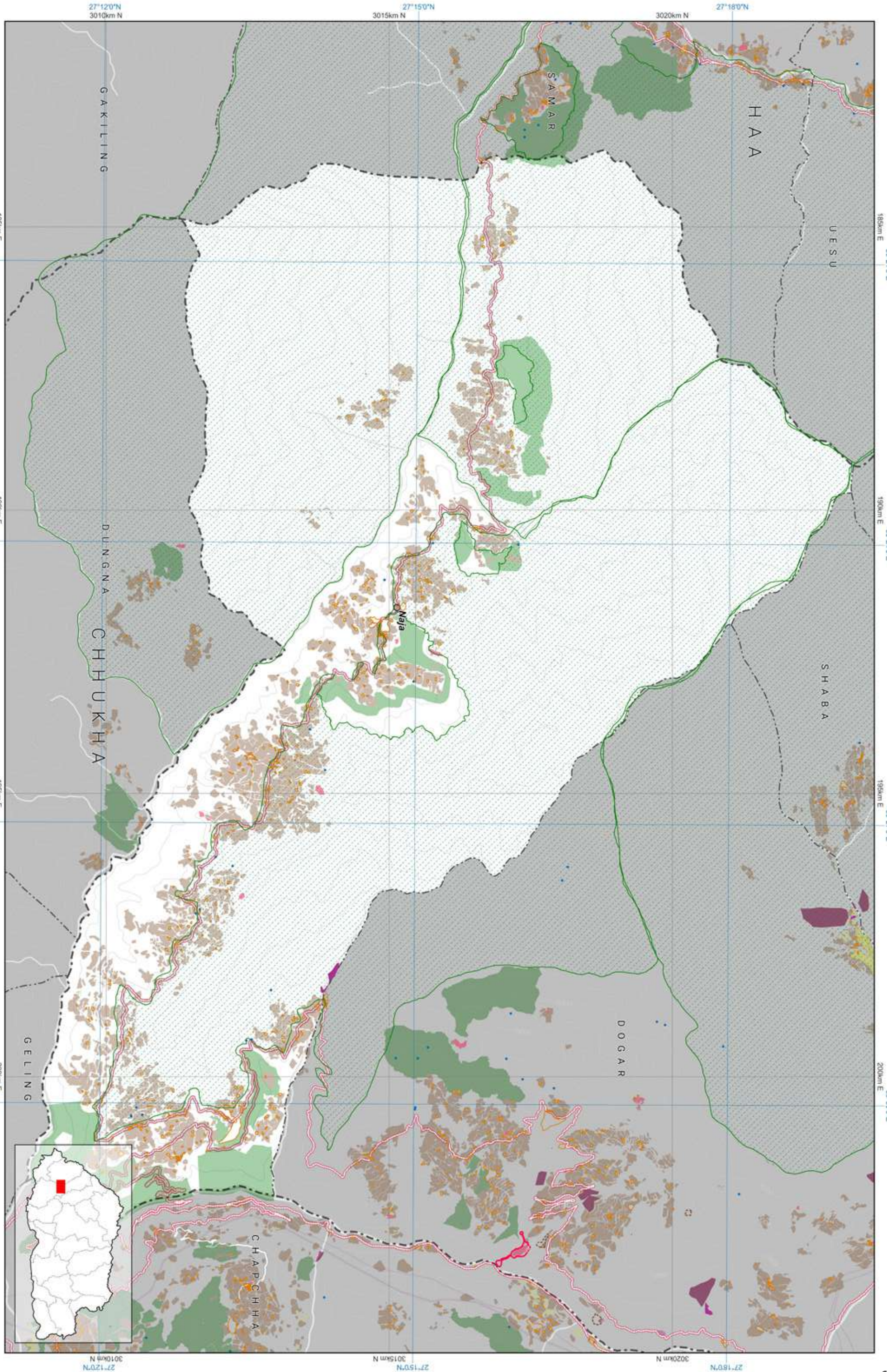
#### Roads for different map scales

Highway 300k  
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Thromde 25k  
Thromde 5k  
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Industrial 5k  
Farm 5k

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0 1.25 2.5 km

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PARO

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Naja	1,664	1,623	3,287	102.5	31.9	735
Beteykha Town	230	235	465	97.9	6.7	59

## Data Ownership

Data Owner of the Map Content
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

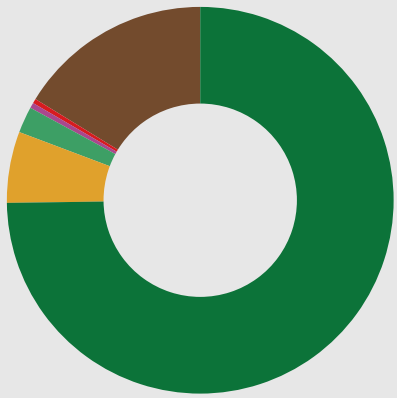


SHABA

## Zone Area

Gewog	Shaba
Gewog code	808
Gewog area	19864.318

Zone	Area
Agriculture	1843.642
Cultural Heritage	43.279
Industrial	50.857
NCA	249.674
Rangeland	0
Rural Settlement	676.229
SFMA	8490.212
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

## Zone Conflict

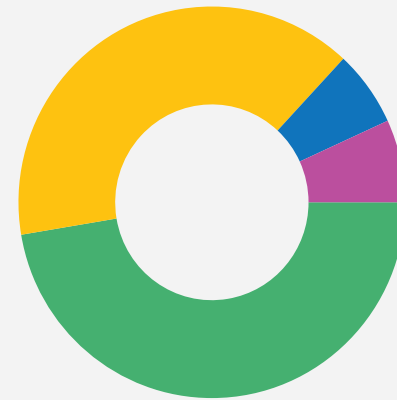
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	792.11	0	2.03	39.022	499.237	0
NCA	0	0	10.96	0	1.608	0	0	0
Agriculture	792.11	10.96	0	0	7.44	0.405	0	0
Urban	0	0	0	0	0	0	0	0
Culture	2.03	1.608	7.44	0	0	0	0.281	0
Industrial	39.022	0	0.405	0	0	0	0.211	0
Rural Settlement	499.237	0	0	0	0.281	0.211	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	76.863	0	30.629	0	0	0.227	0.936	0
Road	0.308	0	9.001	0	0	0.48	2.526	0
Flood Hazard	0	0	2.790	0	0	0	1.166	0
Flight Funnel	0	0	0	0	0	0	0.014	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	79.585
Road	66.487
Flood Hazard	10.522
Flight Funnel	11.493
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

### National Land Use Zoning

■ Agricultural Land  
■ Kamzhing  
■ Protected Chhuzhing  
■ Regulated Chhuzhing  
■ Lease Land  
■ Rural Settlement  
■ Residential Land  
■ Institutional Land  
■ Sustainable Forest Management Area  
■ Forest Management Unit  
■ Community Forest

■ Cultural Heritage  
■ Religious Sites  
■ Heritage Village  
■ Heritage Conservation Zone

■ Urban  
■ Urban Zone

### Nature Conservation Area

■ Protected Area  
■ Core Zone  
■ Transition Zone  
■ Buffer Zone  
■ Multi Use Zone  
■ Biological Corridor / Botanical Park

### Wetland

■ Ramsar Site

### Hazard and Risk

■ Rain Induced Flood  
■ Glacier Lake Outburst Flood  
■ Right Of Way / Buffer  
■ Heritage  
■ Road  
■ Powerlines  
■ Flight Funnel

### Other Effective Area-based Conservation Measures

■ Key Biodiversity Area  
■ High Conservation Value  
■ Rangeland  
■ Tsamdro

### Significant Watershed

■ Potential Recharge Area  
■ Payment for Ecosystem Services  
■ Water Sources  
■ Industrial  
■ Manufacturing and Production  
■ Service  
■ Existing mines  
■ Airport  
■ Helipad  
■ Hydro Power Plants  
■ Hydro Power Waterways

### Basemap

■ Boundaries  
■ International  
■ Dzongkhag  
■ Gewog  
■ Rivers  
■ Main river  
■ Perennial  
■ Terrain  
■ Contour

### Roads for different map scales

Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

## Data Ownership

### Data Owner of the Map Content

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Ministry of Energy and Natural Resources

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Ministry of Energy and Natural Resources

Department of Geology and Mines  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Culture and Dzongkha Development  
Ministry of Home Affairs

Department of Air Transport  
Ministry of Infrastructure and Transport

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

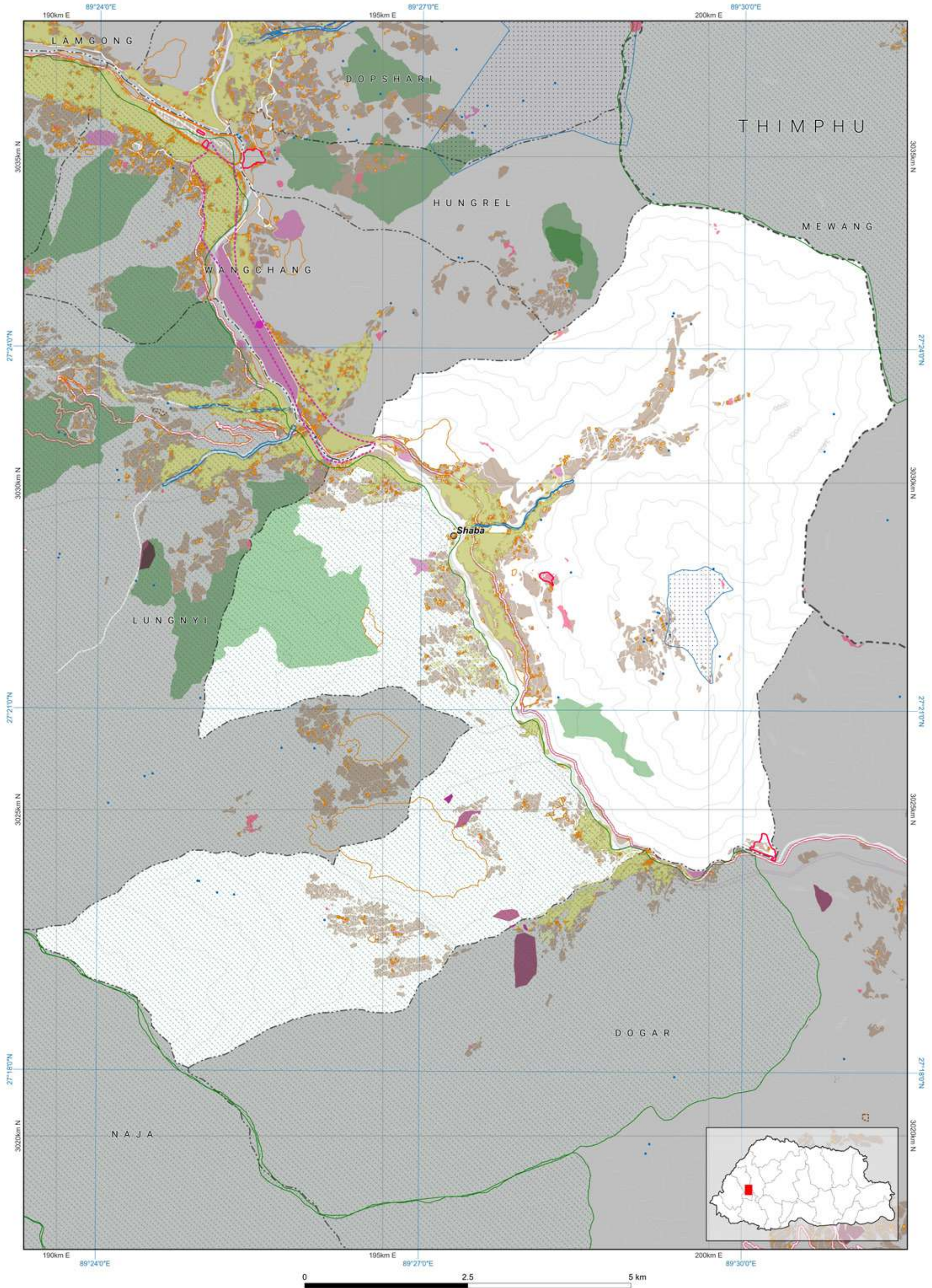
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Shaba	3,258	2,683	5,941	121.4	22.2	1,269

Mean Household size

3.8

Paro: Shaba

## National Land Use Zoning 2023



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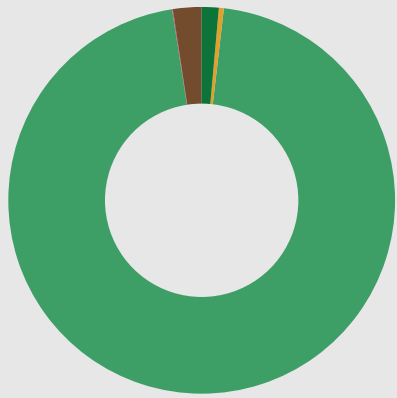




T  
S  
E  
N  
T  
O

## Zone Area

Gewog	Tsento
Gewog code	810
Gewog area	143110.58
Zone	Area
Agriculture	2131.567
Cultural Heritage	37.834
Industrial	20.985
NCA	85513.617
Rangeland	0
Rural Settlement	372.948
SFMA	1265.692
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

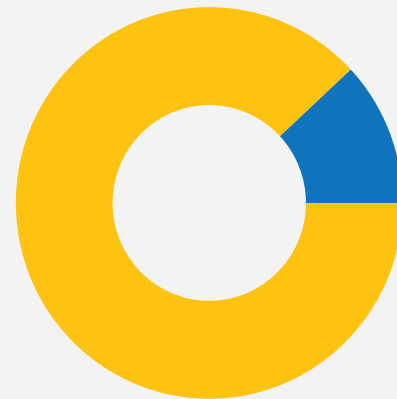
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	533.274	0.00	0	0	0	0	0
NCA	533.274	0	80.66	0	0.133	0.3	44.645	0
Agriculture	0	80.66	0	0	0.943	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0.133	0.943	0	0	0	19.72	0
Industrial	0	0.3	0	0	0	0	0	0
Rural Settlement	0	44.645	0	0	19.72	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	1.554	0	9.455	0	0.015	0.361	2.949	0
Flood Hazard	0	0	2.171	0	0	0	0.02	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	49.704
Flood Hazard	6.733
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

Rural Settlement

- Residential Land
- Institutional Land

Sustainable Forest Management Area

- Forest Management Unit
- Community Forest

### Cultural Heritage

Religious Sites

Heritage Village

Heritage Conservation Zone

Urban

Urban Zone

Nature Conservation Area

Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

### Wetland

Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

Key Biodiversity Area

High Conservation Value

Rangeland

Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

Manufacturing and Production

Service

Existing mines

Airport

Helipad

Hydro Power Plants

Hydro Power Waterways

### Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Data Ownership

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Department of Forests and Park Services  
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Department of Water  
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Department of Culture and Dzongkha Development  
Ministry of Home Affairs

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Ministry of Infrastructure and Transport

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Ministry of Infrastructure and Transport

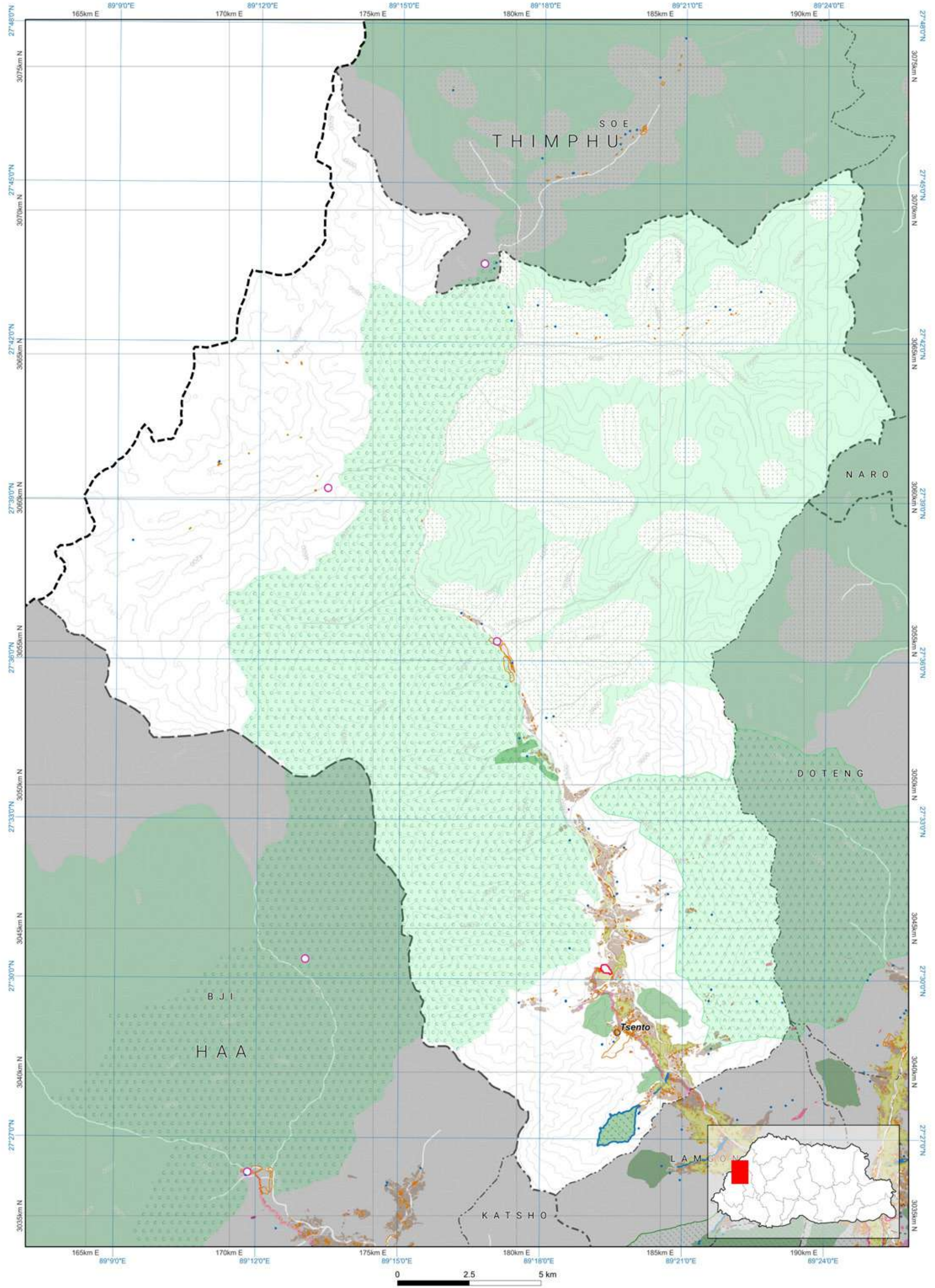
Department of Surface Transport  
Ministry of Infrastructure and Transport

National Centre for Hydrology and Meteorology

National Land Commission Secretariat

Paro: Tsento

## National Land Use Zoning 2023



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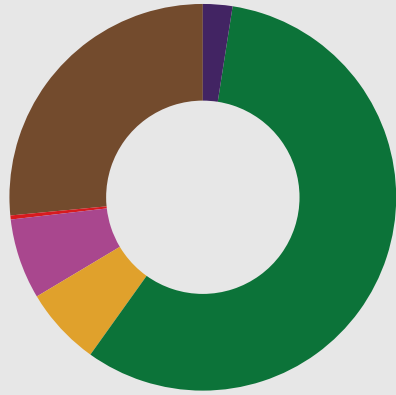
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.





## Zone Area

Gewog	Wangchang
Gewog code	811
Gewog area	5064.684
Zone	Area
Agriculture	970.466
Cultural Heritage	12.334
Industrial	246.38
NCA	0
Rangeland	0
Rural Settlement	240.005
SFMA	2101.939
Urban	90.164



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

## Zone Conflict

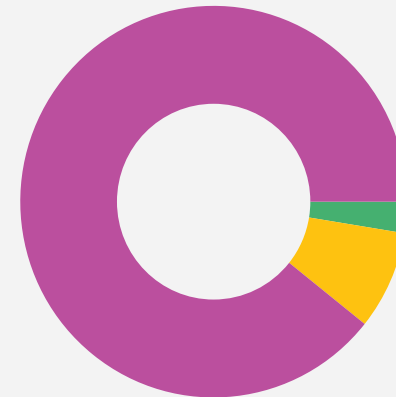
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	488.86	40.656	7.875	29.291	104.55	0
NCA	0	0	0.00	0	0	0	0	0
Agriculture	488.86	0	0	2.261	0	0	0	0
Urban	40.656	0	2.261	0	2.916	0.107	1.979	0
Culture	7.875	0	0	2.916	0	0	0	0
Industrial	29.291	0	0	0.107	0	0	0	0
Rural Settlement	104.55	0	0	1.979	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	11.585	0	2.227	0	0	0	1.099	0
Road	19.492	0	6.084	0	0	0.124	5.021	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	168.499	0	219.241	3.159	0.287	84.95	23.65	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	11.585
Road	36.591
Flood Hazard	0
Flight Funnel	400.451
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
Rural Settlement  
Residential Land  
Institutional Land  
Sustainable Forest Management Area  
Forest Management Unit  
Community Forest

Cultural Heritage  
Religious Sites  
Heritage Village  
Heritage Conservation Zone

Urban  
Urban Zone

Nature Conservation Area  
Protected Area

Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park

Wetland  
Ramsar Site

Hazard and Risk  
Rain Induced Flood  
Glacier Lake  
Outburst Flood

Right Of Way / Buffer  
Heritage  
Road  
Powerlines  
Flight Funnel

Other Effective Area-based Conservation Measures  
Key Biodiversity Area  
High Conservation Value

Rangeland  
Tsamdro

Significant Watershed  
Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources

Industrial  
Manufacturing and Production  
Service  
Existing mines  
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Dzongkhag  
Gewog

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Main river  
Perennial

Terrain  
Contour

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Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

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Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

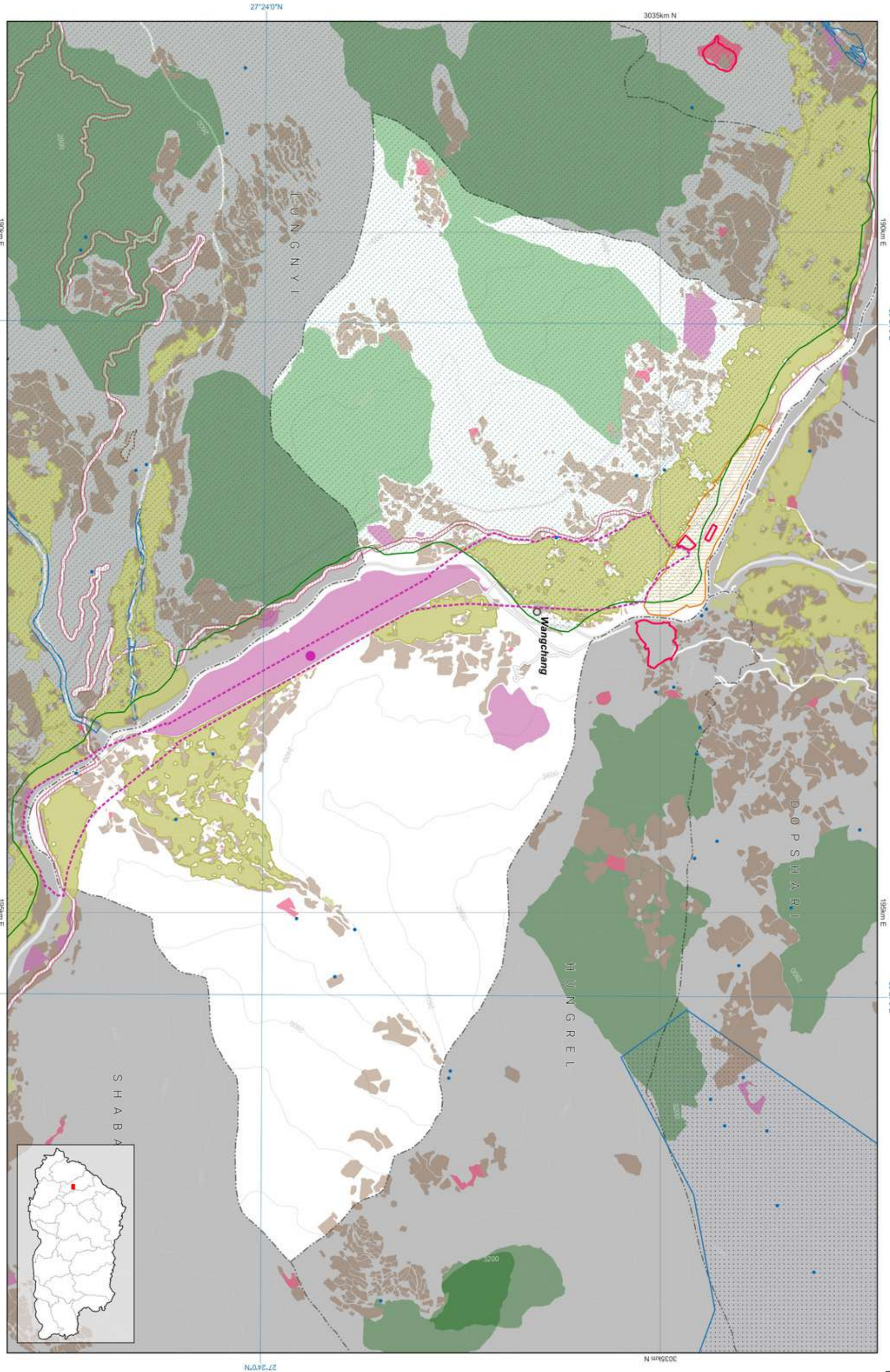
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Wangchang	758	599	1,357	126.5	46.2	322
Paro Town	5,828	5,620	11,448	103.7	17.2	2,642

**Disclaimer:**  
Disclaimer: The demographic statistics provided in the table above for Paro town encompass not only the area falling under the Wangchang gewog but also include the demographic statistics of the town area falling under the Lungnyi, Hungrel and Dopshari gewog. The same statistics for Paro town can be found under the Lungnyi, Hungrel and Dopshari gewog.

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0 1.25 2.5 km

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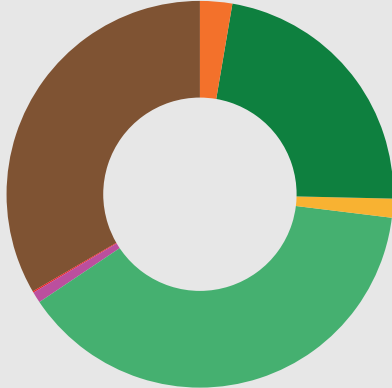




Zone Area

Dzongkhag	Pemagatshel
Dzongkhag code	09
Dzongkhag area	253055.539

Zone	Area
Agriculture	33224.215
Culture	109.937
Industrial	920.904
NCA	38454.927
Rangeland	0
Rural Settlement	1575.216
SFMA	22561.589
Urban	2680.177



All areas are in Acres.

- Agriculture
- Culture
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	179.488	1.867	3.736	0.501	0	0.17	0
NCA	179.488	0	759.272	402.703	2.562	0.05	7.764	0
Agriculture	1.867	759.272	0	692.307	0	0	0.009	0
Urban	3.736	402.703	692.307	0	15.678	69.964	236.38	0
Culture	0.501	2.562	0	15.678	0	0	0	0
Industrial	0	0.05	0	69.964	0	0	0	0
Rural Settlement	0.17	7.764	0.009	236.38	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	6.19	56.895	227.192	8.439	0.334	2.329	8.493	0
Road	90.226	5.577	144.496	0	0.096	0.579	10.292	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	635.789
Road	1187.524
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

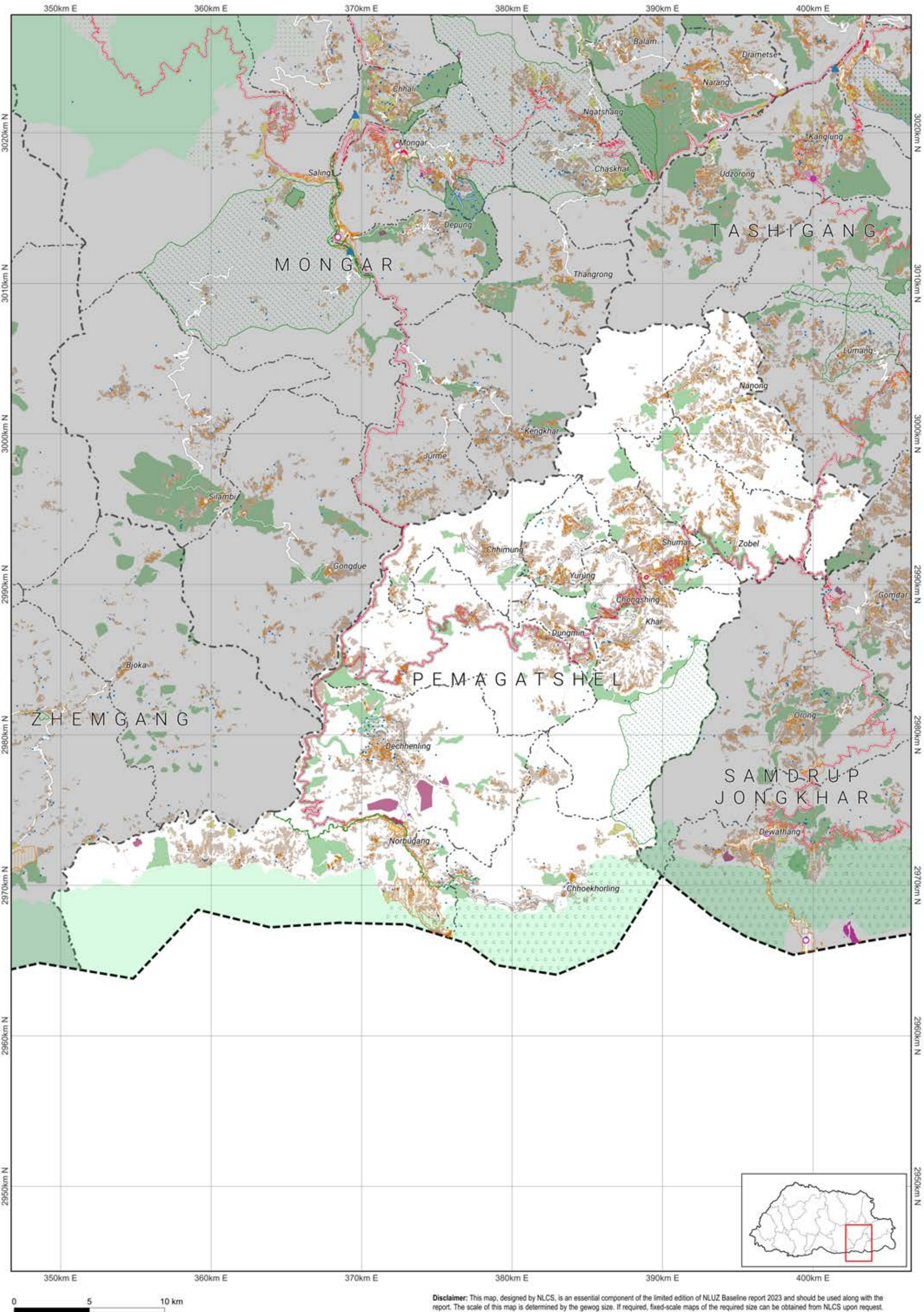
Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Pemagatshel	11,922	11,710	23,632	101.8	35.4	6,075

Map Legend

- National Land Use Zoning**
- Agricultural Land
    - Kamzhing
    - Protected Chhuzhing
    - Regulated Chhuzhing
    - Lease Land
  - Rural Settlement
    - Residential Land
    - Institutional Land
  - Sustainable Forest Management Area
    - Forest Management Unit
    - Community Forest
  - Cultural Heritage
    - Religious Sites
    - Heritage Village
    - Heritage Conservation Zone
  - Urban
    - Urban Zone
  - Nature Conservation Area
    - Protected Area
      - Core Zone
      - Transition Zone
      - Buffer Zone
      - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake
    - Outburst Flood
    - Right Of Way / Buffer
  - Heritage
    - Heritage
    - Road
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    - Flight Funnel
  - Other Effective Area-based Conservation Measures
    - Key Biodiversity Area
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  - Rangeland
    - Tsandro
  - Significant Watershed
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- Basemap**
- Boundaries**
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  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Pemagatshel

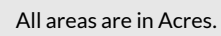
National Land Use Zoning 2023



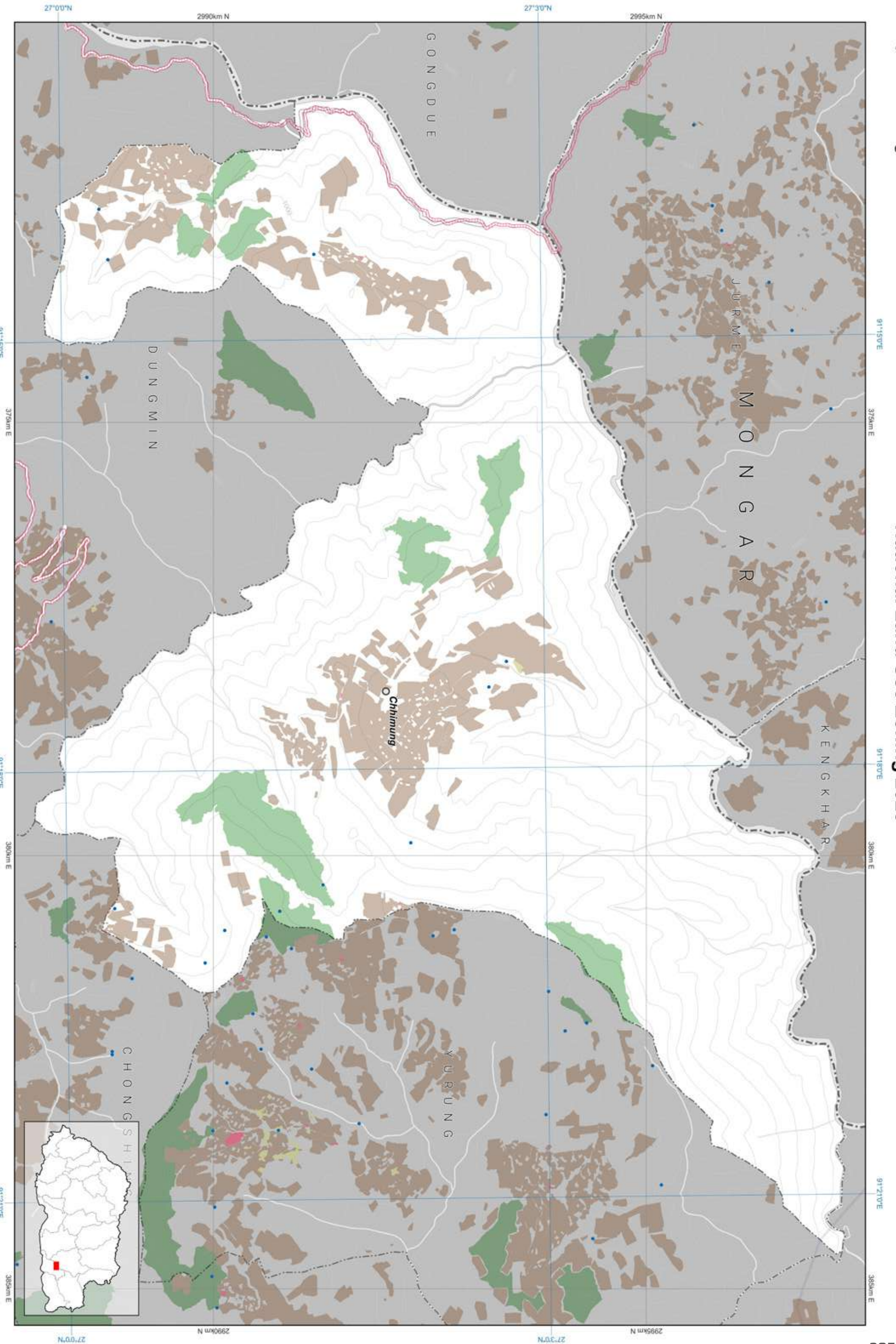
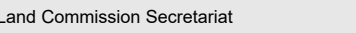
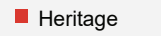
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	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0



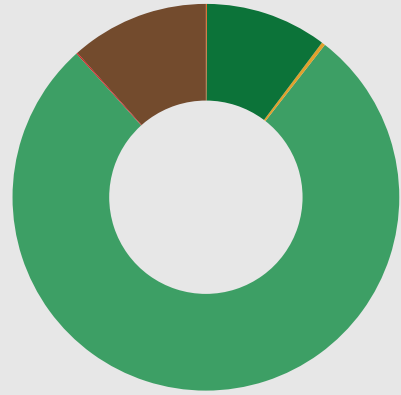
## National Land Commission Secretariat





Zone Area

Gewog	Chhoeckhorling
Gewog code	908
Gewog area	31298.091
Zone	Area
Agriculture	2085.245
Cultural Heritage	18.285
Industrial	0.1
NCA	14005.879
Rangeland	0
Rural Settlement	55.003
SFMA	1830.779
Urban	15.048



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
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  - Heritage Conservation Zone
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  - Urban Zone

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Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

Wetland

- Ramsar Site

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- Glacier Lake Outburst Flood
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- High Conservation Value
- Rangeland
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Boundaries

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- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	205.80	3.535	0	0	2.103	0
Agriculture	0	205.80	0	0	0	0	0	0
Urban	0	3.535	0	0	0	0	8.319	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	2.103	0	8.319	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	10	15.501	44.738	0	0	0	0.06	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	160.183
Road	0.016
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
Gewog / Throm	Male	Female	Total				
Chhoeckhorling	338	365	703	92.6	151.0	250	2.7

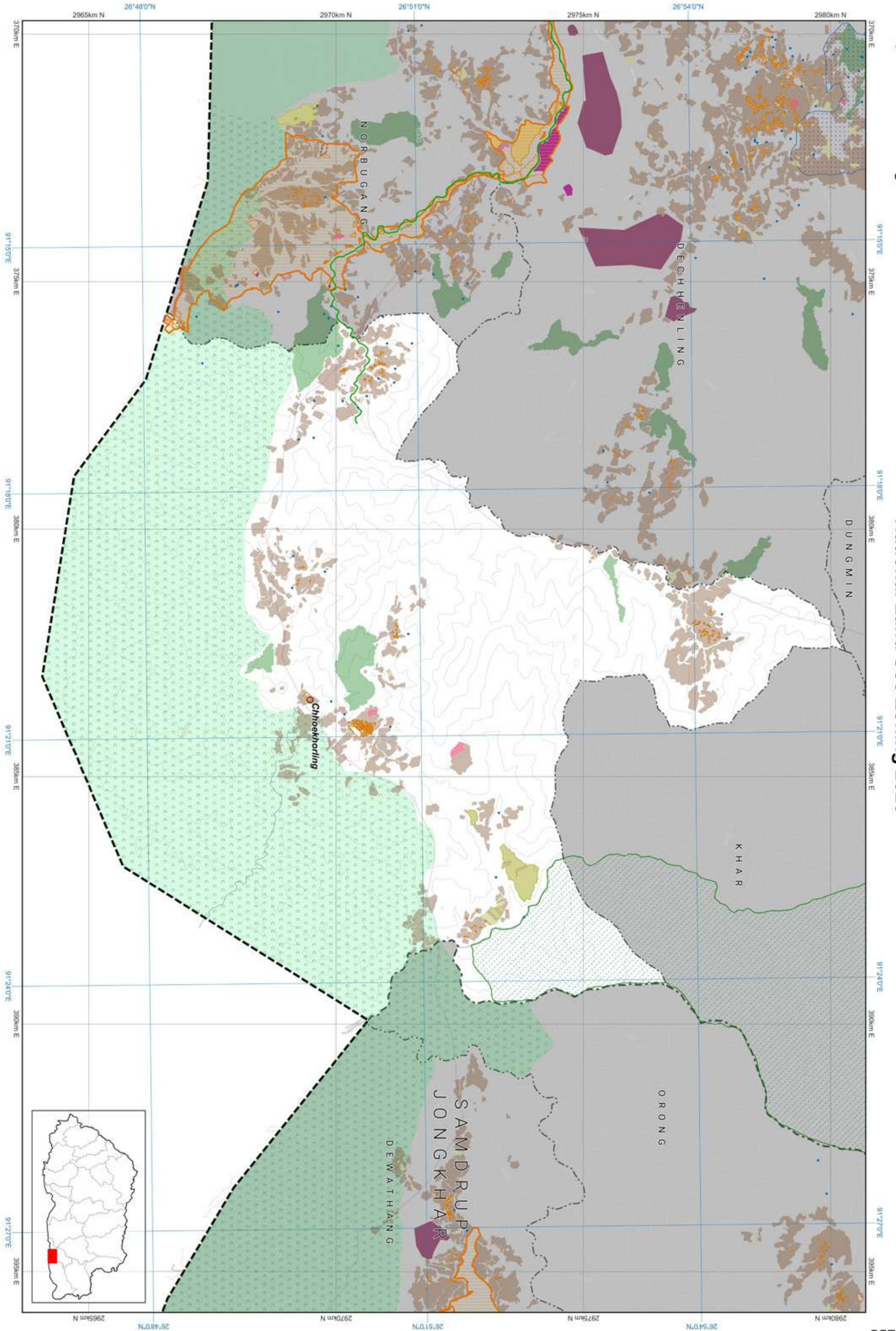
Data Ownership

Data Owner of the Map Content
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Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

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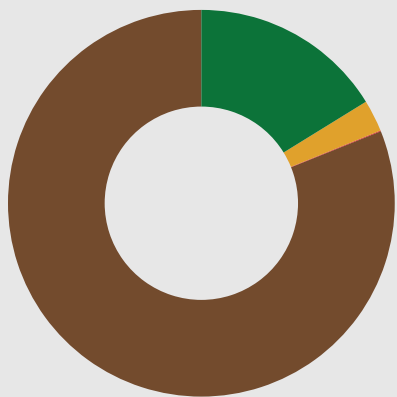
The scale of this map is determined by the gewog size. If required, base-scale maps of the required size can be obtained from NLC's upon request. This map is compiled from the data of multiple agencies.





Zone Area

Gewog	Chongshing
Gewog code	902
Gewog area	7929.186
Zone	Area
Agriculture	2115.423
Cultural Heritage	1.654
Industrial	0.201
NCA	0
Rangeland	0
Rural Settlement	70.783
SFMA	418.695
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	12.236	0	0	0	0.025	0
Road	0.92	0	62.628	0	0.004	0.012	1.031	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	21.376
Road	173.104
Flood Hazard	0
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

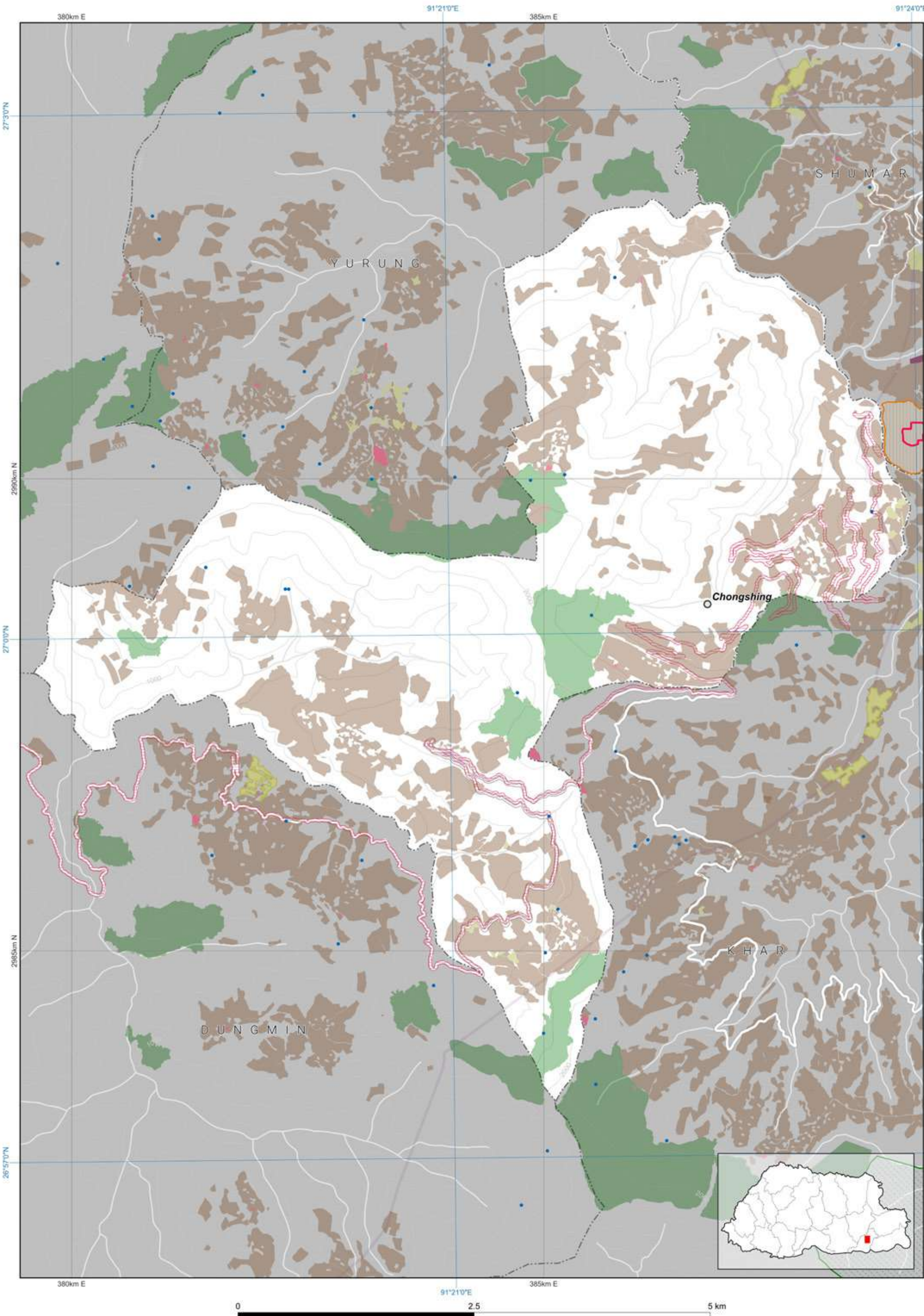
- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Chongshing	352	419	771	84.0	82.7	219

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Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
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National Land Commission Secretariat



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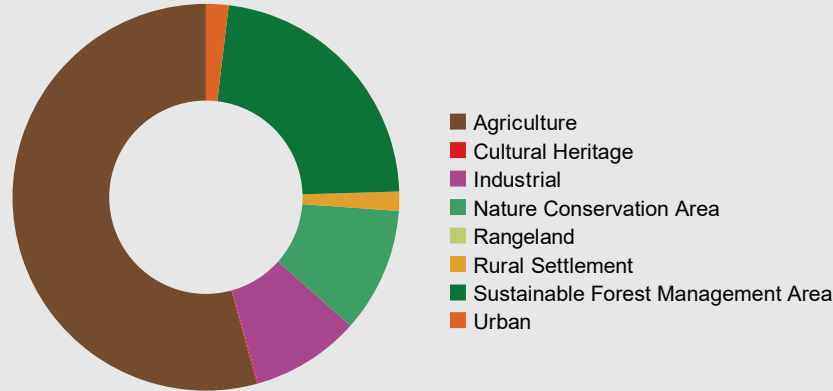
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Zone Area

Gewog	Dechhenling
Gewog code	909
Gewog area	34008.092

Zone	Area
Agriculture	4943.27
Cultural Heritage	8.788
Industrial	828.431
NCA	950.274
Rangeland	0
Rural Settlement	146.802
SFMA	2062.733
Urban	171.733



Zone Conflict

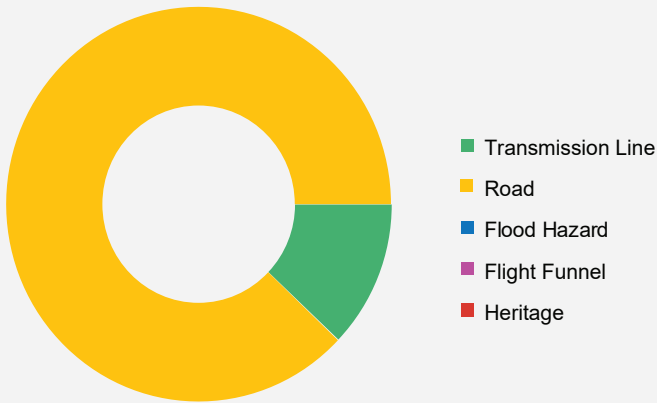
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	147.228	0	0	0	0	0	0
NCA	147.228	0	461.42	5.787	2.562	0	5.511	0
Agriculture	0	461.42	0	5.491	0	0	0	0
Urban	0	5.787	5.491	0	0	61.254	15.949	0
Culture	0	2.562	0	0	0	0	0	0
Industrial	0	0	0	61.254	0	0	0	0
Rural Settlement	0	5.511	0	15.949	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	8.08	0	0	0	1.456	0
Road	5.015	0	6.821	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	26.005
Road	188.709
Flood Hazard	0
Flight Funnel	0
Heritage	0



Map Legend

- National Land Use Zoning**
- Agricultural Land
    - Kamzhing
    - Protected Chhuzhing
    - Regulated Chhuzhing
    - Lease Land
  - Rural Settlement
    - Residential Land
    - Institutional Land
  - Sustainable Forest Management Area
    - Forest Management Unit
    - Community Forest
  - Cultural Heritage
    - Religious Sites
    - Heritage Village
    - Heritage Conservation Zone
  - Urban
    - Urban Zone
  - Nature Conservation Area
    - Protected Area
      - Core Zone
      - Transition Zone
      - Buffer Zone
      - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake
    - Outburst Flood
    - Right Of Way / Buffer
  - Heritage
    - Heritage
    - Road
    - Powerlines
    - Flight Funnel
  - Other Effective Area-based Conservation Measures
    - Key Biodiversity Area
    - High Conservation Value
  - Rangeland
    - Tsamdro
  - Significant Watershed
    - Potential Recharge Area
    - Payment for Ecosystem Services
    - Water Sources
  - Industrial
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    - Service
    - Existing mines
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    - Hydro Power Plants
    - Hydro Power Waterways
- Basemap**
- Boundaries**
- International
  - Dzongkhag
  - Gewog
- Rivers**
- Main river
  - Perennial
- Terrain**
- Contour
- Roads for different map scales**
- Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

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Department of Geology and Mines Ministry of Energy and Natural Resources
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Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

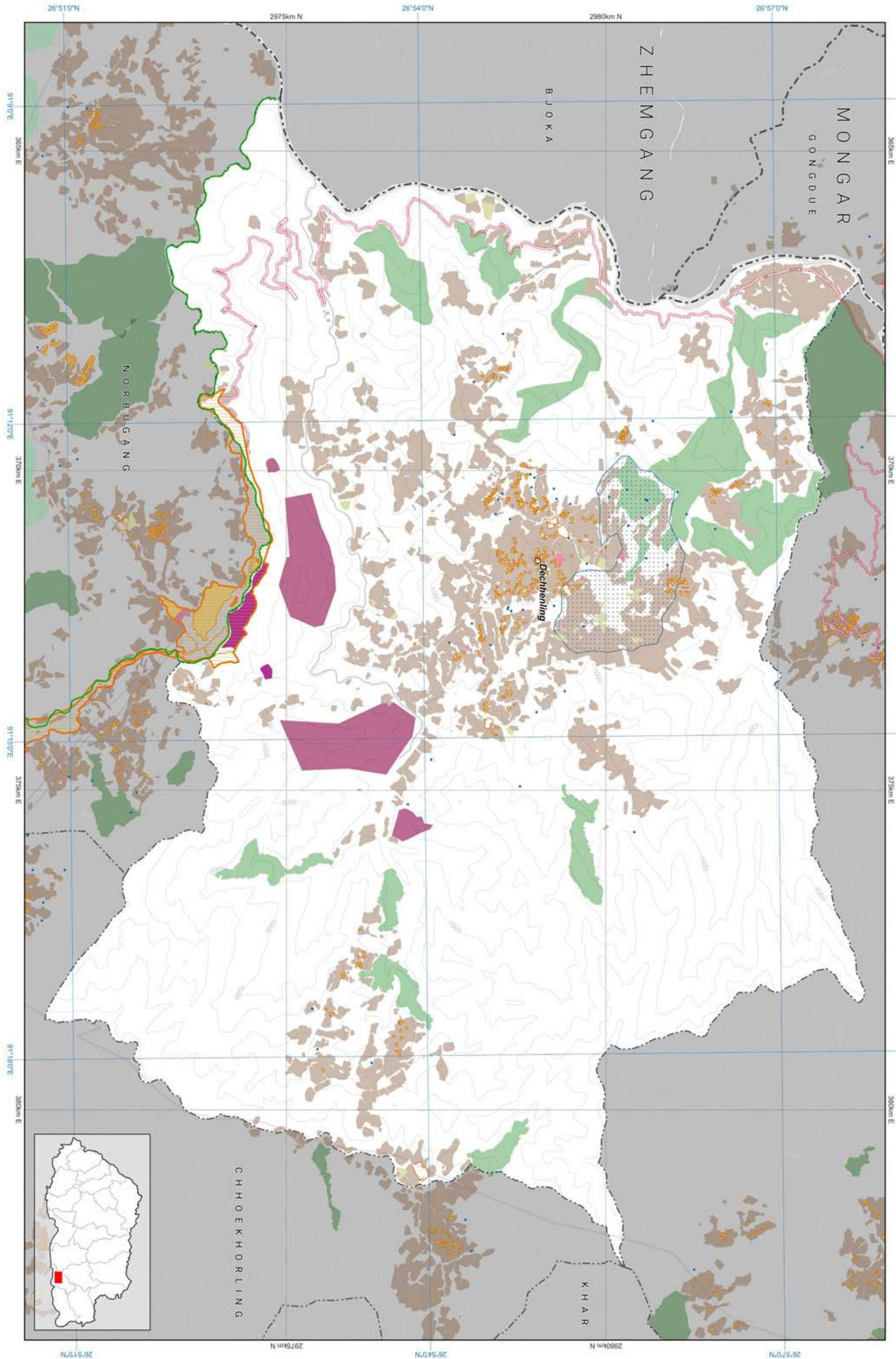
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Dechhenling	790	890	1,680	88.8	57.1	519
Nganglam Town	2,863	2,555	5,418	112.1	10.7	1,242

**Disclaimer:**  
The demographic statistics provided in the table above for Nganglam town encompass not only the area falling under the Dechhenling gewog but also include the demographic statistics of the town area falling under the Norbugang gewog. The same statistics for Nganglam town can be found under the Norbugang gewog.

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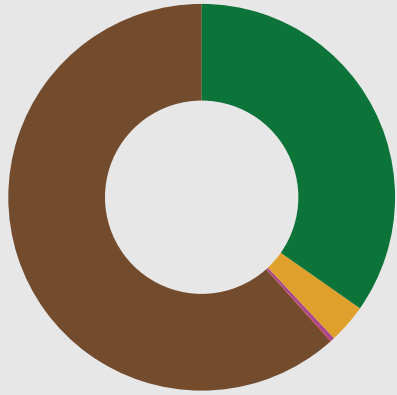




DUNGMIN

## Zone Area

Gewog	Dungmin
Gewog code	903
Gewog area	26901.967
Zone	Area
Agriculture	2563.347
Cultural Heritage	2.514
Industrial	13.856
NCA	0
Rangeland	0
Rural Settlement	135.565
SFMA	1445.429
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0.885	0	4.597	0	0	0	0	0
Road	44.717	0	19.027	0	0	0	3.903	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	33.654
Road	413.396
Flood Hazard	0
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
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  - Hydro Power Waterways

### Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
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  - Highway 25k
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  - Dzongkhag 50k
  - Dzongkhag 25k
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  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

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Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

## Demographic Table

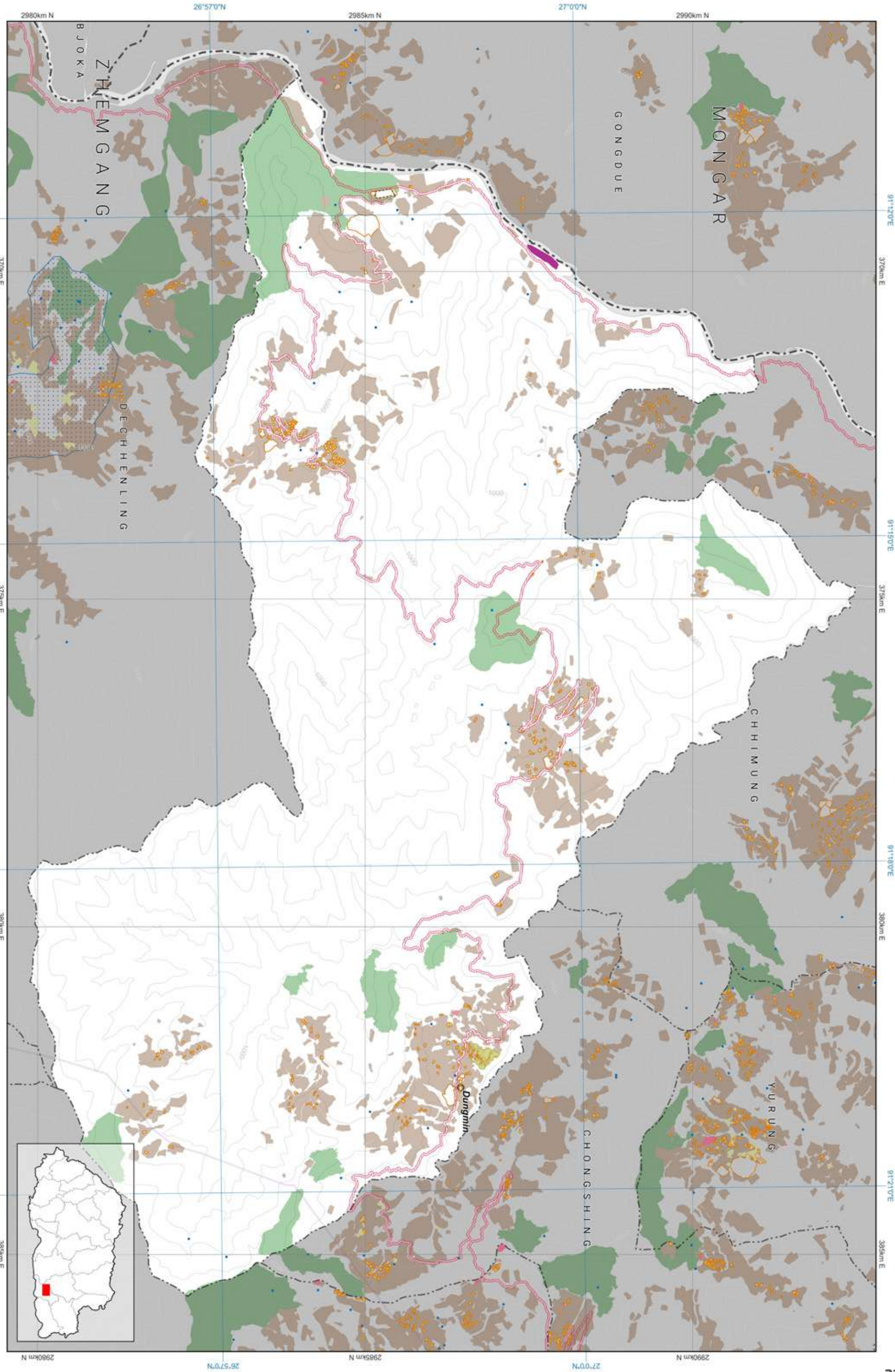
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population			Sex ratio	Aging Index
	Male	Female	Total		
Dungmin	662	609	1,271	108.7	53.8

Number of household	Mean Household size
352	3.3

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0 1.25 2.5 km

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Pemagatshel: Dungmin

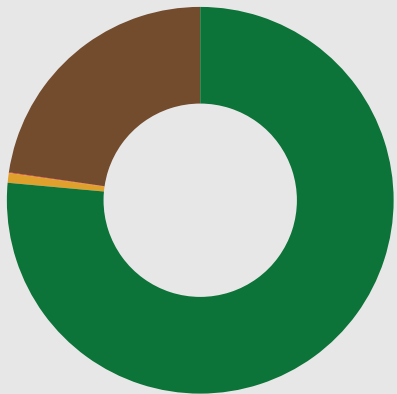
National Land Use Zoning 2023





Zone Area

Gewog	Khar
Gewog code	904
Gewog area	28097.699
Zone	Area
Agriculture	2908.765
Cultural Heritage	7.238
Industrial	0
NCA	0
Rangeland	0
Rural Settlement	104.247
SFMA	9800.028
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	1.87		0.501		0.17	0
NCA	0	0	0	0	0	0	0	0
Agriculture	1.87	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0.501	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0.17	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	25.973	0	0	0	0.802	0
Road	5.912	0	2.944	0	0	0	0.081	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	43.616
Road	35.617
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

Agricultural Land  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
Rural Settlement  
Residential Land  
Institutional Land  
Sustainable Forest Management Area  
Forest Management Unit  
Community Forest

Cultural Heritage  
Religious Sites  
Heritage Village  
Heritage Conservation Zone

Urban  
Urban Zone

Nature Conservation Area

Protected Area  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park

Wetland

Ramsar Site

Hazard and Risk

Rain Induced Flood  
Glacier Lake Outburst Flood  
Right Of Way / Buffer  
Heritage  
Road  
Powerlines  
Flight Funnel

Other Effective Area-based Conservation Measures

Key Biodiversity Area  
High Conservation Value

Rangeland

Tsamdro

Significant Watershed

Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources

Industrial

Manufacturing and Production  
Service  
Existing mines  
Airport  
Helipad  
Hydro Power Plants  
Hydro Power Waterways

Basemap

Boundaries

International  
Dzongkhag  
Gewog

Rivers

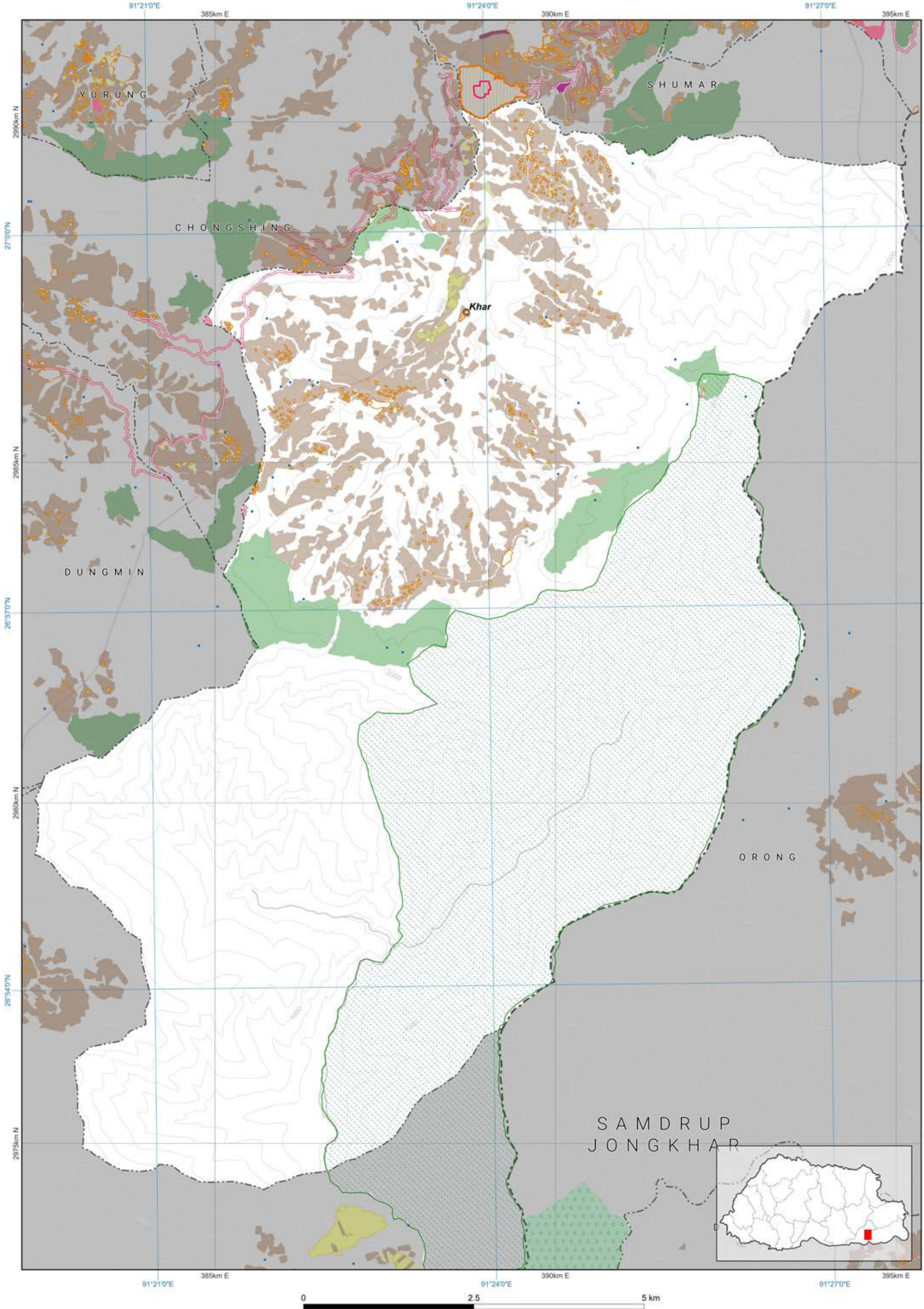
Main river  
Perennial

Terrain

Contour

Roads for different map scales

Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
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Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k



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Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Khar	820	757	1,577	108.3	55.0	386

3.8



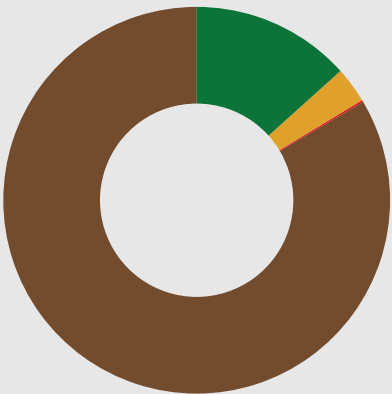




Zone Area

Gewog	Nanong
Gewog code	910
Gewog area	20117.055

Zone	Area
Agriculture	4719.637
Cultural Heritage	9.247
Industrial	0.135
NCA	0
Rangeland	0
Rural Settlement	173.791
SFMA	757.344
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0.275	0	0.407	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	55.884
Flood Hazard	0
Flight Funnel	0
Heritage	0

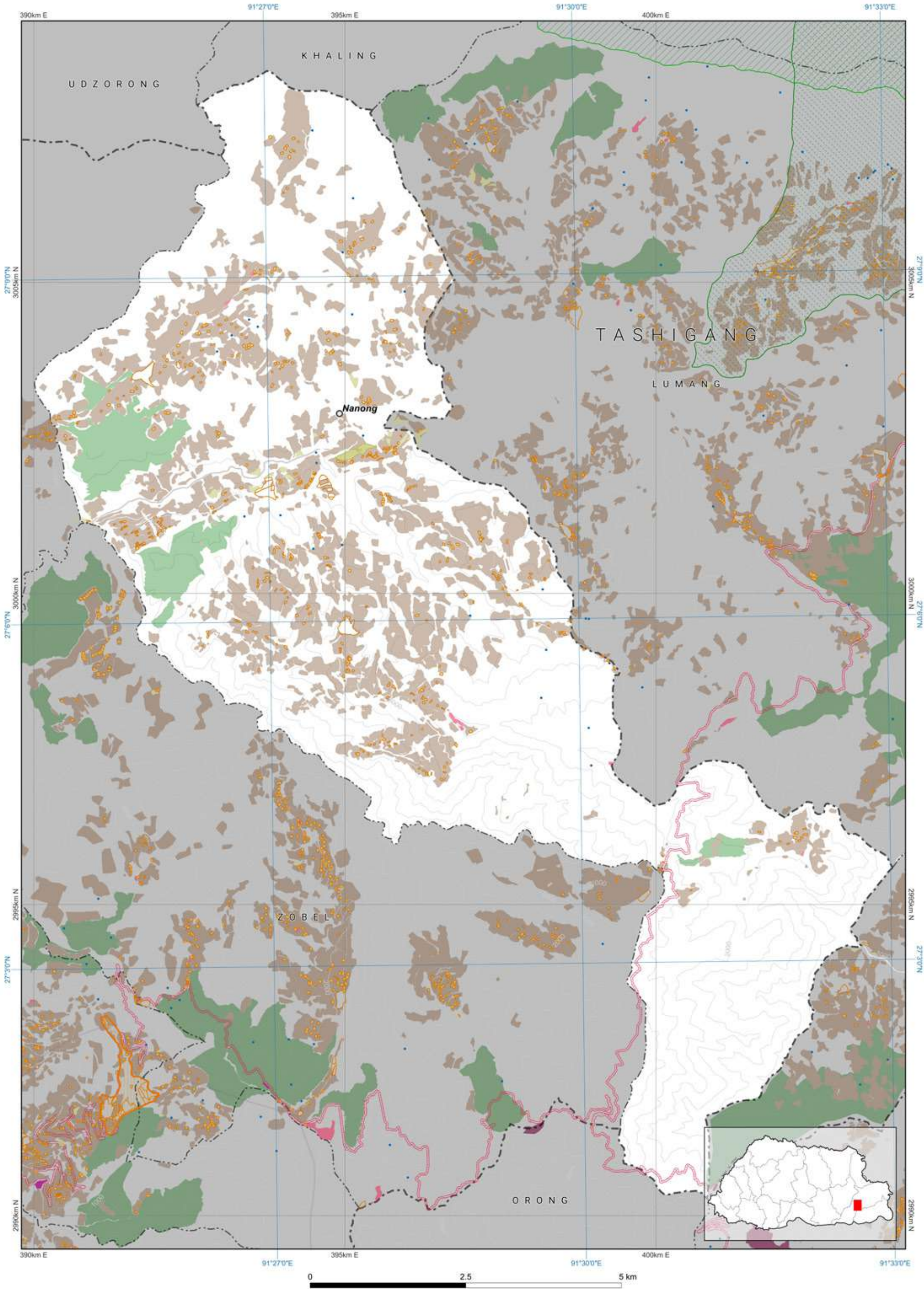


- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
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    - Core Zone
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Data Owner of the Map Content
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Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Nanong	1,056	1,067	2,123	99.0	32.9	530

Mean Household size

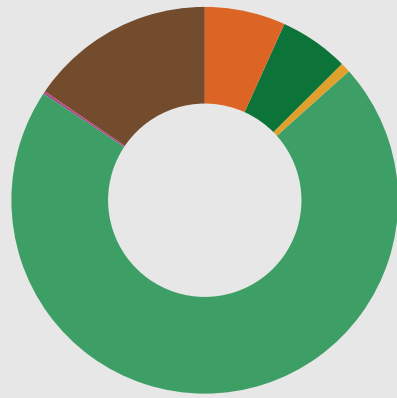
3.7



Zone Area

Gewog	Norbugang
Gewog code	911
Gewog area	45269.069

Zone	Area
Agriculture	4958.873
Cultural Heritage	9.983
Industrial	64.547
NCA	23498.774
Rangeland	0
Rural Settlement	276.764
SFMA	1919.005
Urban	2237.965



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

Nature Conservation Area

- Protected Area
  - Core Zone
  - Transistion Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake
- Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
  - Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Data Ownership

Data Owner of the Map Content

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Ministry of Energy and Natural Resources

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Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Zone Conflict

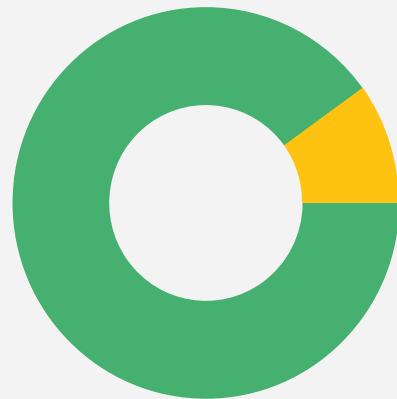
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	32.26	0	0	0	0	0	0
NCA	32.26	0	92.05	393.38	0	0.05	0.15	0
Agriculture	0	92.05	0	648.285	0	0	0	0
Urban	0	393.38	648.285	0	4.979	8.71	170.316	0
Culture	0	0	0	4.979	0	0	0	0
Industrial	0	0.05	0	8.71	0	0	0	0
Rural Settlement	0	0.15	0	170.316	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	1.035	41.394	70.728	6.552	0.273	2.329	4.678	0
Road	0	5.577	0.571	0	0	0	0.054	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	220.013
Road	24.102
Flood Hazard	0
Flight Funnel	0
Heritage	0

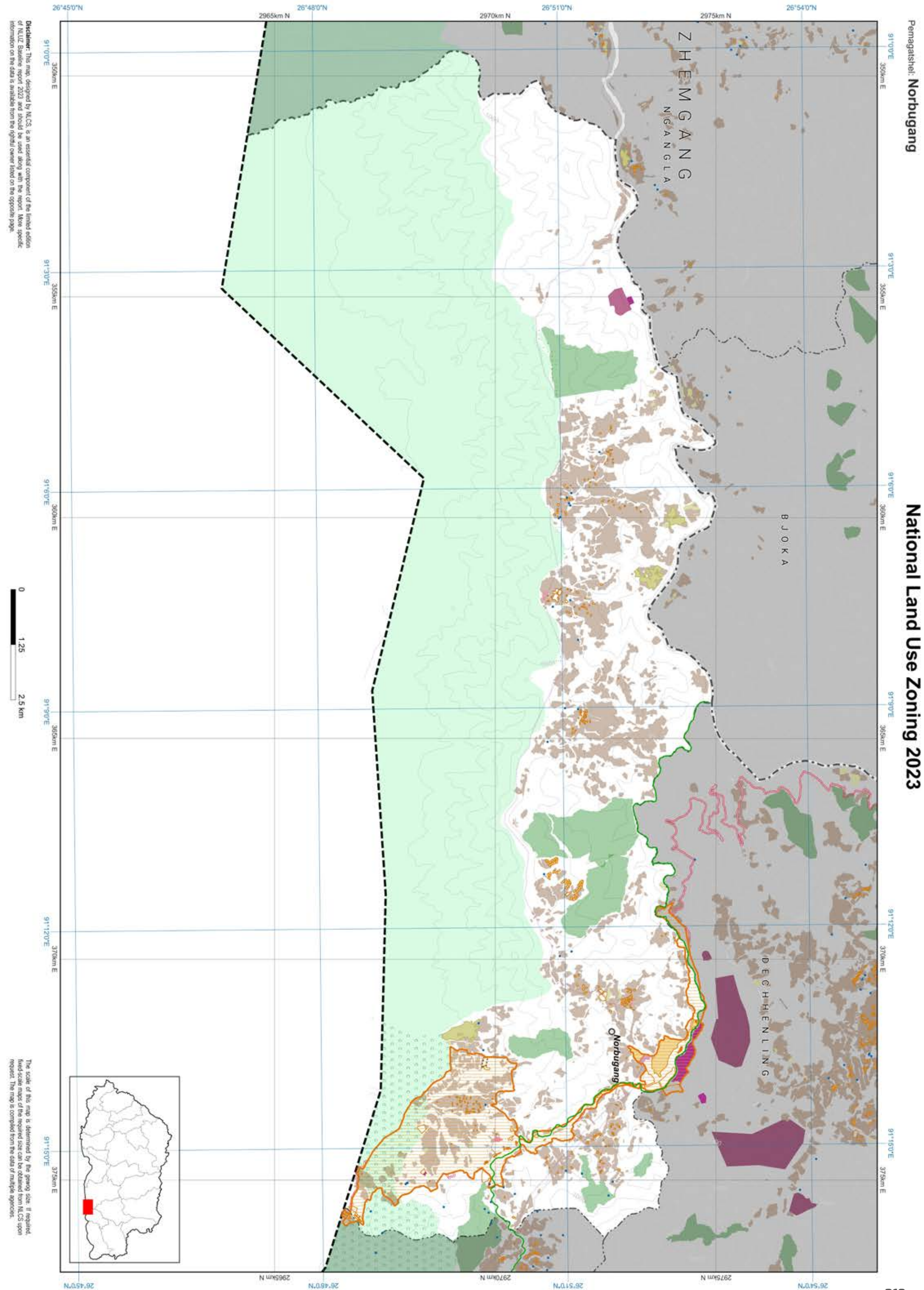


- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Norbugang	723	645	1,368	112.1	52.4	392
Nganglam Town	2,863	2,555	5,418	112.1	10.7	1,242

**Disclaimer:**  
The demographic statistics provided in the table above for Nganglam town encompass not only the area falling under the Norbugang gewog but also include the demographic statistics of the town area falling under the Dechhenling gewog. The same statistics for Nganglam town can be found under the Dechhenling gewog.



The scale of this map is determined by the gewog size. If required, head-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.

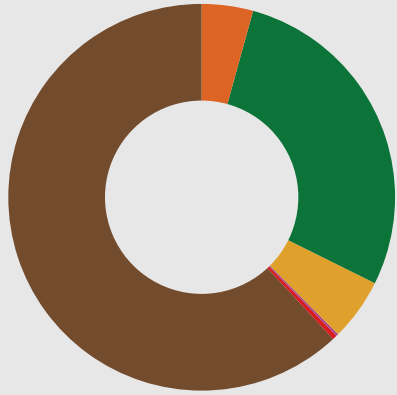




## Zone Area

Gewog	Shumar
Gewog code	905
Gewog area	22900.947

Zone	Area
Agriculture	3201.387
Cultural Heritage	20.35
Industrial	10.099
NCA	0
Rangeland	0
Rural Settlement	280.818
SFMA	1489.786
Urban	231.563



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	2.885	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	37.437	0	0	0	0
Urban	2.885	0	37.437	0	10.699	0	29.499	0
Culture	0	0	0	10.699	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	29.499	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0.7	0	55.592	1.887	0.061	0	1.286	0
Road	1.224	0	51.559	0	0	0.211	4.146	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	116.999
Road	116.184
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Shumar	1,478	1,648	3,126	89.7	32.3	774
Denchi Town	227	113	340	200.9	23.8	71
Old Pema Gatshel Town547	491	1,038	111.4	11.9	231	3.6
Kherigonpa Town	32	29	61	110.3	13.3	20
Yalang Town	29	33	62	87.9	8.3	17
Khothakpa Town	78	68	146	114.7	5.8	38
Nangkor Town	282	240	522	117.5	11.4	108
Mongling Town	21	17	38	123.5	14.3	11

### Disclaimer:

The demographic statistics provided in the table above for old Pema Gatshel, Kherigonpa and Mongling town encompass not only the area falling under the Shumar gewog but also include the demographic statistics of the town area falling under the Zobel gewog. The same statistics for old Pema Gatshel, Kherigonpa and Mongling town can be found under the Zobel gewog.

## Map Legend

### National Land Use Zoning

- Agricultural Land
- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land
- Rural Settlement
- Residential Land
- Institutional Land
- Sustainable Forest Management Area
- Forest Management Unit
- Community Forest
- Cultural Heritage
- Religious Sites
- Heritage Village
- Heritage Conservation Zone
- Urban
- Urban Zone

### Nature Conservation Area

- Protected Area
- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

### Wetland

- Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake
- Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
- Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

#### Boundaries

- International
- Dzongkhag
- Gewog

#### Rivers

- Main river
- Perennial

#### Terrain

- Contour

#### Roads for different map scales

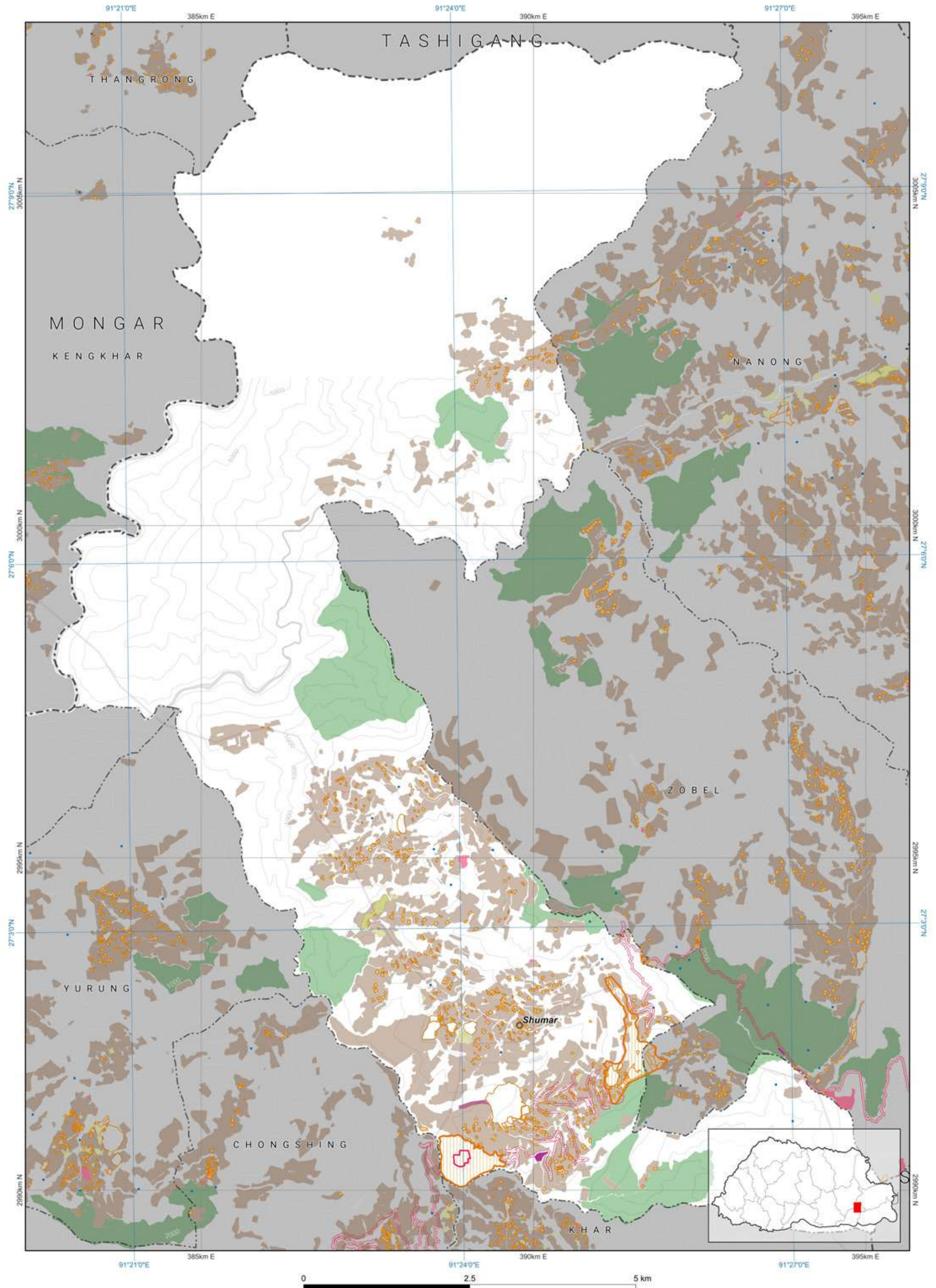
- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
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Department of Water Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development, Ministry of Home Affairs
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Pemagatshel: Shumar

## National Land Use Zoning 2023



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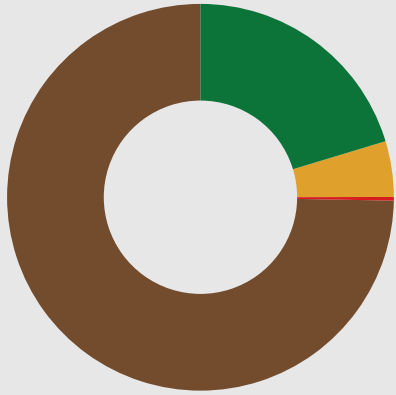
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.





Zone Area

Gewog	Yurung
Gewog code	906
Gewog area	6872.873
Zone	Area
Agriculture	1734.249
Cultural Heritage	7.497
Industrial	0.05
NCA	0
Rangeland	0
Rural Settlement	114.051
SFMA	495.918
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	1.401
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Yurung	516	612	1,128	84.3	49.0	315

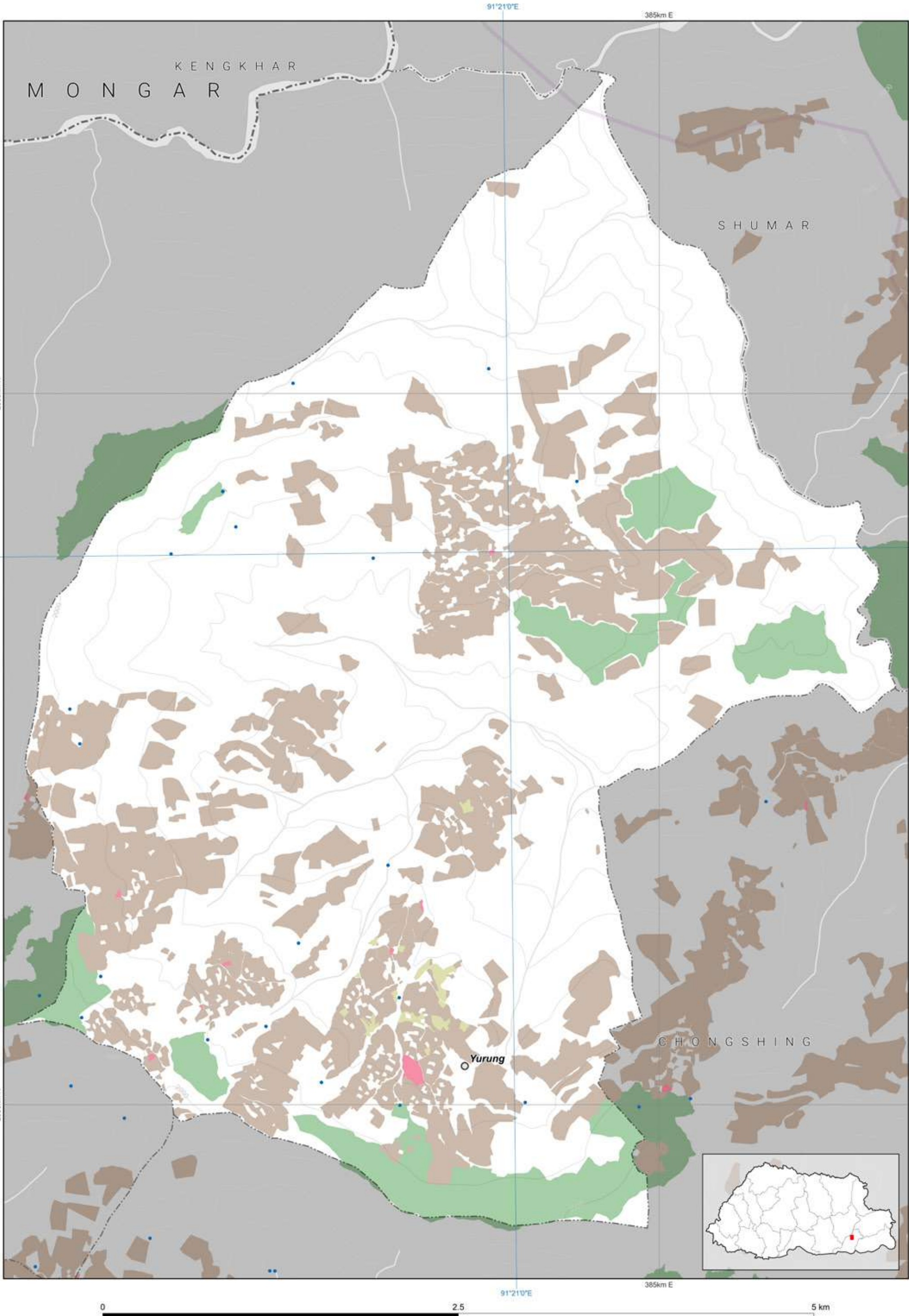
Data Ownership

Data Owner of the Map Content
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
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- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
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  - Tsamdro
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- Basemap
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    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
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  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k



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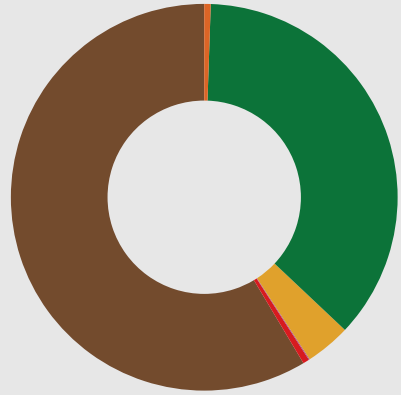
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



Zone Area

Gewog	Zobel
Gewog code	907
Gewog area	16557.619

Zone	Area
Agriculture	2604.811
Cultural Heritage	23.38
Industrial	3.487
NCA	0
Rangeland	0
Rural Settlement	168.215
SFMA	1622.88
Urban	23.868



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0.851	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	1.094	0	0	0.009	0
Urban	0.851	0	1.094	0	0	0	12.297	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0.009	12.297	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	3.57	0	5.247	0	0	0	0.185	0
Road	32.163	0	0.539	0	0.092	0.355	1.077	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	11.148
Road	146.312
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

Agricultural Land  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
Rural Settlement  
Residential Land  
Institutional Land  
Sustainable Forest Management Area  
Forest Management Unit  
Community Forest

Cultural Heritage  
Religious Sites  
Heritage Village  
Heritage Conservation Zone

Urban  
Urban Zone

Nature Conservation Area

Protected Area  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park

Wetland  
Ramsar Site

Hazard and Risk

Rain Induced Flood  
Glacier Lake  
Outburst Flood  
Right Of Way / Buffer  
Heritage  
Road  
Powerlines  
Flight Funnel

Other Effective Area-based Conservation Measures

Key Biodiversity Area  
High Conservation Value

Rangeland  
Tsamdro

Significant Watershed

Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources

Industrial

Manufacturing and Production  
Service  
Existing mines  
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Contour

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Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
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Dzongkhag 25k  
Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

Data Ownership

Data Owner of the Map Content

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Ministry of Energy and Natural Resources

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Ministry of Energy and Natural Resources

Department of Geology and Mines  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Zobel	832	864	1,696	96.3	39.6	448
Old Pema Gatshel Town547	491	1,038	111.4	11.9	448	3.6
Kherigonpa Town	32	29	61	110.3	13.3	20
Mongling Town	21	17	38	123.5	14.3	11

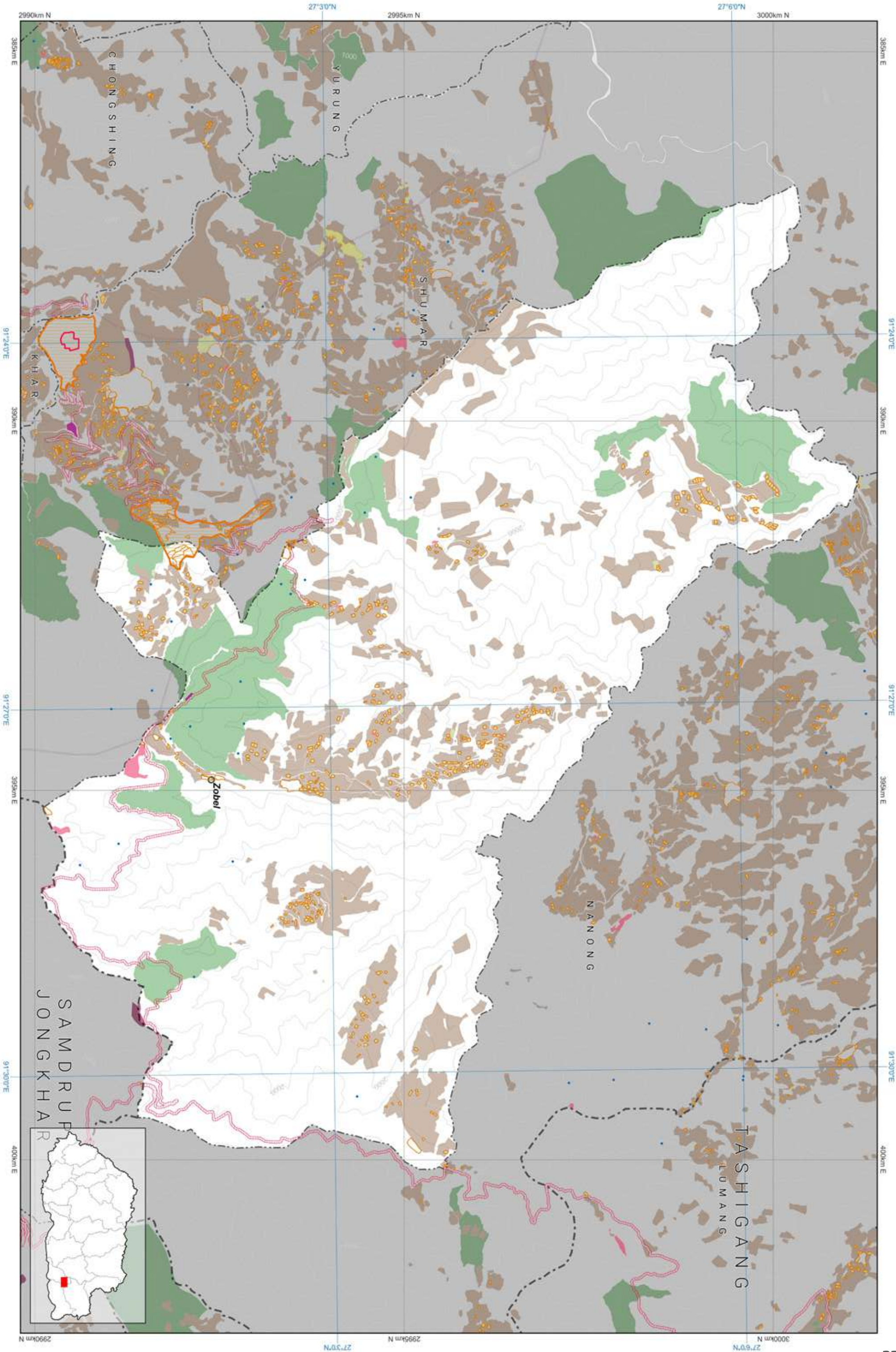
Disclaimer:

The demographic statistics provided in the table above for old Pema Gatshel, Kherigonpa and Mongling town encompass not only the area falling under the Zobel gewog but also include the demographic statistics of the town area falling under the Shumar gewog. The same statistics for old Pema Gatshel, Kherigonpa and Mongling town can be found under the Shumar gewog.

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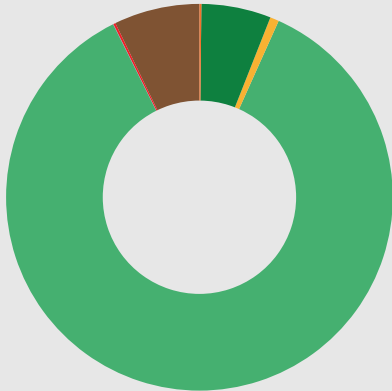
The scale of this map is determined by the gewog size. If required, base-scale maps of the required size can be obtained from NLCS upon request. This map is compiled from the data of multiple agencies.





Zone Area

Dzongkhag	Punakha
Dzongkhag code	10
Dzongkhag area	274485.104
Zone	Area
Agriculture	13203.142
Culture	330.962
Industrial	66.605
NCA	158366.063
Rangeland	0
Rural Settlement	1367.106
SFMA	10729.78
Urban	292.045



All areas are in Acres.

- Agriculture
- Culture
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

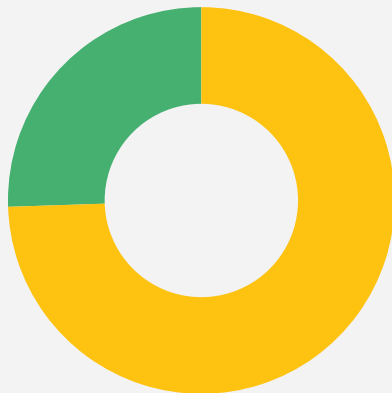
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	834.01	0.00	0	0	0	0	0
NCA	834.01	0	628.21	0	22.253	0.515	220.041	0
Agriculture	0.00	628.21	0	35.374	58.139	0	0.003	0
Urban	0	0	35.374	0	5.367	0.05	71.53	0
Culture	0	22.253	58.139	5.367	0	0.2	0.008	0
Industrial	0	0.515	0	0.05	0.2	0	0	0
Rural Settlement	0	220.041	0.003	71.53	0.008	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	19.733	97.789	16.383	0	0.611	0.078	5.538	0
Road	3.899	235.754	45.565	0	0.185	0.992	16.025	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	201.948
Road	589.235
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Punakha	15,079	13,661	28,740	110.4	24.8	6,079
						3.8

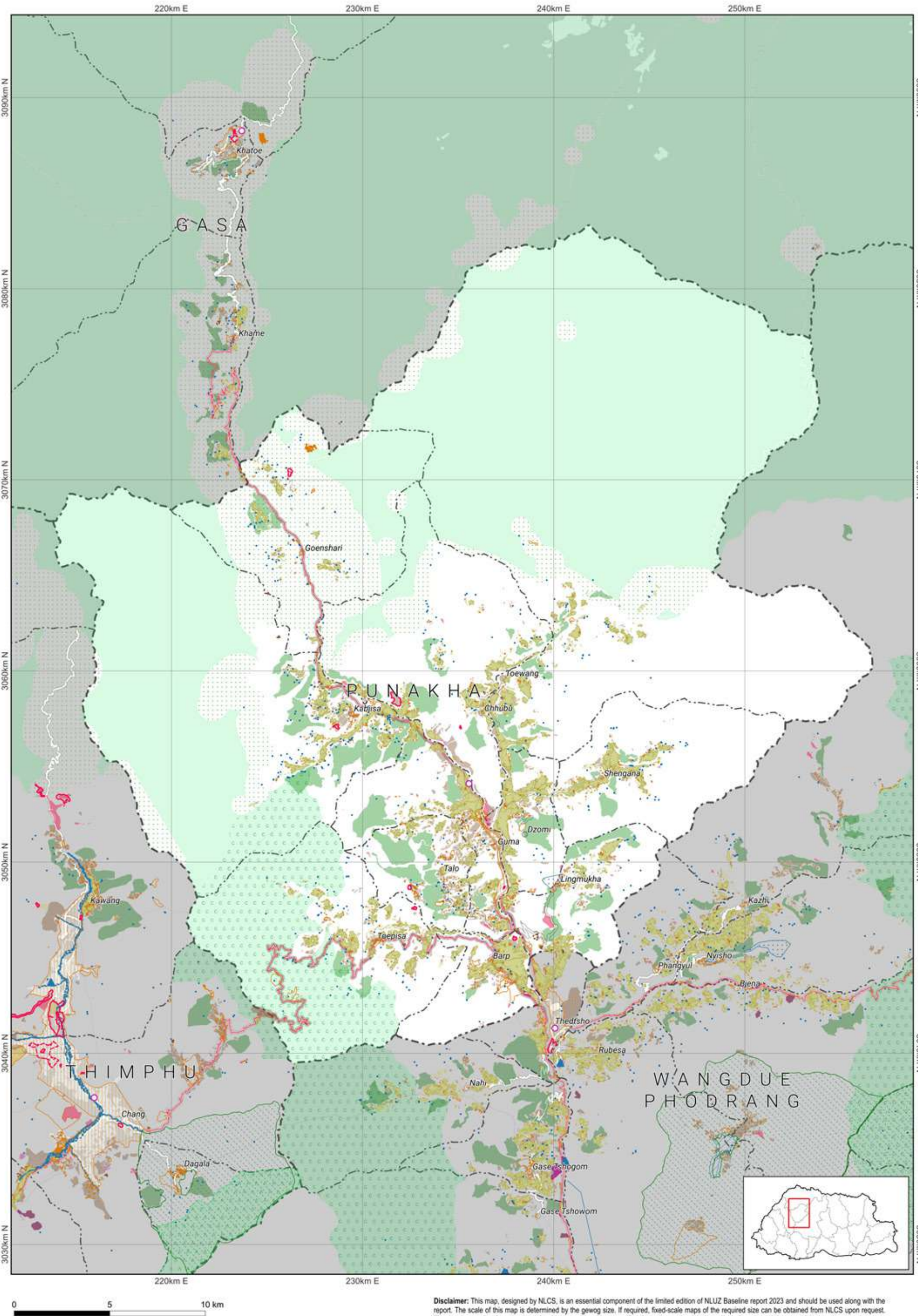
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
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  - Forest Management Unit
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  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Punakha

National Land Use Zoning 2023



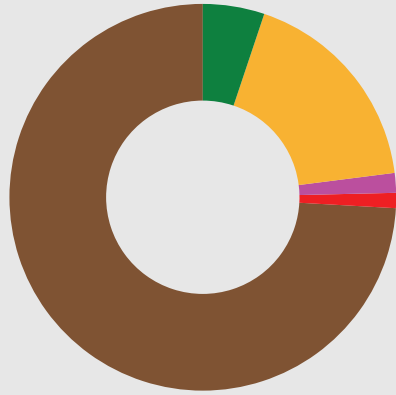
Disclaimer: This map, designed by NLCS, is an essential component of the limited edition of NLUZ Baseline report 2023 and should be used along with the report. The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies. More specific information on the data is available from the rightful owner listed on the opposite page.





## Zone Area

Gewog	Barp
Gewog code	1010
Gewog area	6116.012
Zone	Area
Agriculture	1142.906
Cultural Heritage	19.63
Industrial	25.441
NCA	0
Rangeland	0
Rural Settlement	275.148
SFMA	79.357
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	0	0	0	0	0
NCA	0	0	0.00	0	0	0	0	0
Agriculture	0	0	0	0	0.116	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0.116	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	6.257	0	0.611	0.078	3.604	0
Road	0	0	8.027	0	0	0.914	4.604	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	22.265
Road	83.145
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
Rural Settlement  
Residential Land  
Institutional Land  
Sustainable Forest Management Area  
Forest Management Unit  
Community Forest

Cultural Heritage  
Religious Sites  
Heritage Village  
Heritage Conservation Zone

Urban  
Urban Zone

### Nature Conservation Area

Protected Area  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park

### Wetland

Ramsar Site

### Hazard and Risk

Rain Induced Flood  
Glacier Lake Outburst Flood  
Right Of Way / Buffer  
Heritage  
Road  
Powerlines  
Flight Funnel

### Other Effective Area-based Conservation Measures

Key Biodiversity Area  
High Conservation Value  
Rangeland  
Tsamdro

### Significant Watershed

Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources

### Industrial

Manufacturing and Production  
Service  
Existing mines  
Airport  
Helipad  
Hydro Power Plants  
Hydro Power Waterways

### Basemap

#### Boundaries

International  
Dzongkhag  
Gewog

#### Rivers

Main river  
Perennial

#### Terrain

Contour

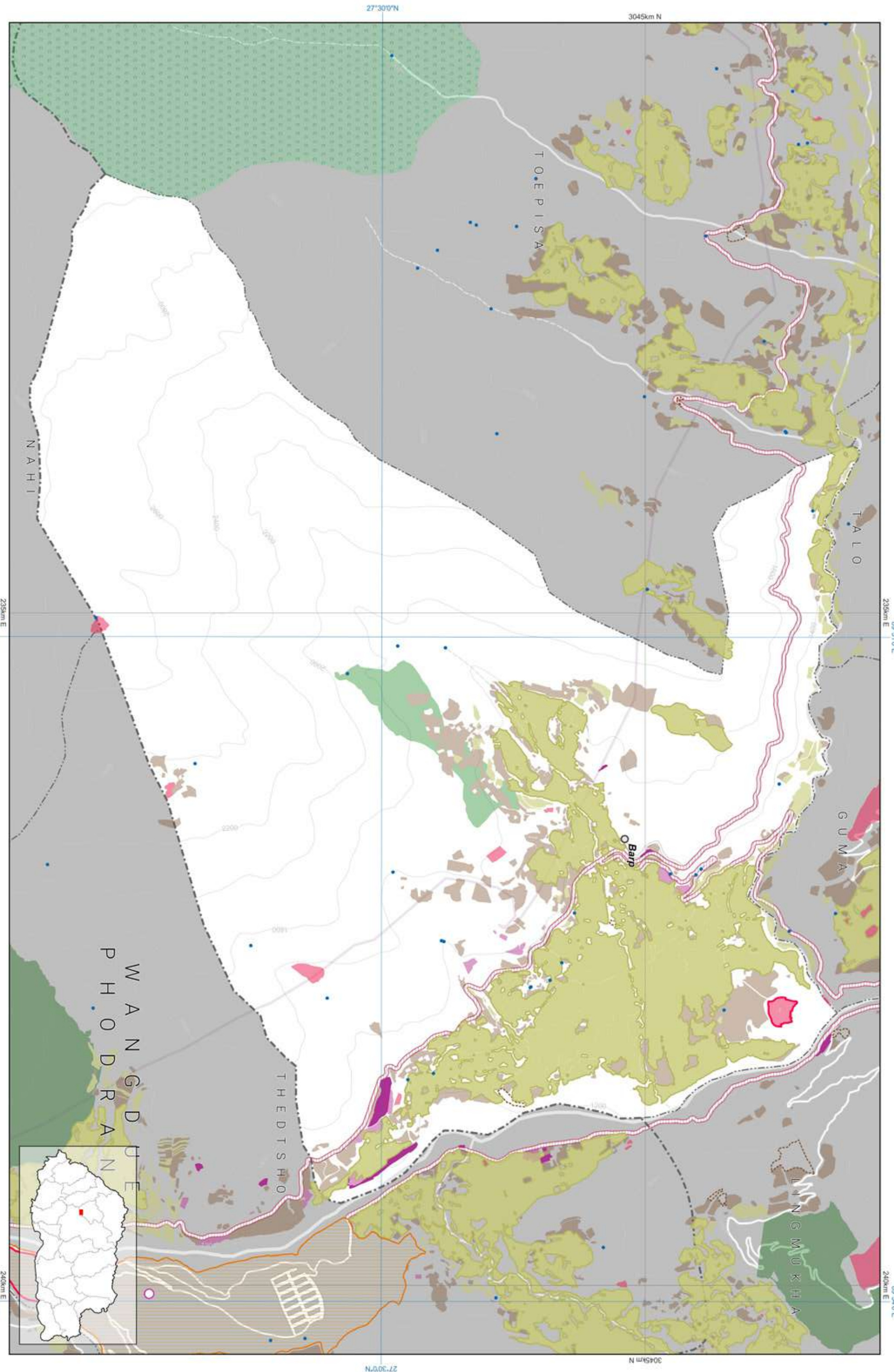
#### Roads for different map scales

Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

Disclaimer: This map, designed by NCLCS, is an essential component of the printed edition of NCLUZ Baseline report 2023 and should be used along with the report. More specific information on the data is available from the digital vector data on the appendix page.



The scale of this map is determined by the gewog scale. If required, base scale maps of the required scale can be obtained from NCLCS upon request. This map is compiled from the data of multiple agencies.



## Data Ownership

### Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Culture and Dzongkha Development  
Ministry of Home Affairs

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

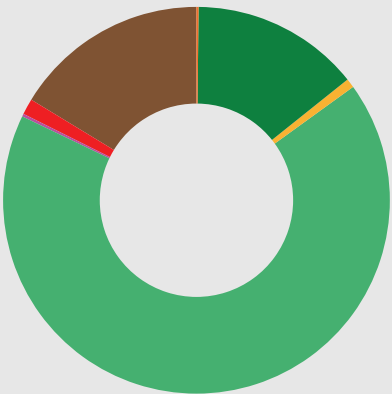
## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Barp	2,531	2,411	4,942	105	16.6	1,172
Lobesa	406	378	784	107.407	6.6	197



Zone Area

Gewog	Chhubu
Gewog code	1001
Gewog area	22549.288
Zone	Area
Agriculture	1377.841
Cultural Heritage	112.525
Industrial	19.352
NCA	5673.567
Rangeland	0
Rural Settlement	64.324
SFMA	1191.48
Urban	14.777



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	8.798	0.00	0	0	0	0	0
NCA	8.798	0	14.00	0	0	0	0.257	0
Agriculture	0.00	14.00	0	0	0	0	0	0
Urban	0	0	0	0	3.038	0	6.347	0
Culture	0	0	55.28	3.038	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0.257	0	6.347	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0.002
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

Agricultural Land

Kamzhing

Protected Chhuzhing

Regulated Chhuzhing

Lease Land

Rural Settlement

Residential Land

Institutional Land

Sustainable Forest Management Area

Forest Management Unit

Community Forest

Cultural Heritage

Religious Sites

Heritage Village

Heritage Conservation Zone

Urban

Urban Zone

Nature Conservation Area

Protected Area

Core Zone

Transition Zone

Buffer Zone

Multi Use Zone

Biological Corridor / Botanical Park

Wetland

Ramsar Site

Hazard and Risk

Rain Induced Flood

Glacier Lake

Outburst Flood

Right Of Way / Buffer

Heritage

Road

Powerlines

Flight Funnel

Other Effective Area-based Conservation Measures

Key Biodiversity Area

High Conservation Value

Rangeland

Tsamdro

Significant Watershed

Potential Recharge Area

Payment for Ecosystem Services

Water Sources

Industrial

Manufacturing and Production

Service

Existing mines

Airport

Helipad

Hydro Power Plants

Hydro Power Waterways

Basemap

Boundaries

International

Dzongkhag

Gewog

Rivers

Main river

Perennial

Terrain

Contour

Roads for different map scales

Highway 300k

Highway 50k

Highway 25k

Highway 5k

Dzongkhag 50k

Dzongkhag 25k

Dzongkhag 5k

Thromde 50k

Thromde 25k

Thromde 5k

Access 5k

Industrial 5k

Farm 5k

Data Ownership

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Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Culture and Dzongkha Development  
Ministry of Home Affairs

Department of Human Settlement  
Ministry of Infrastructure and Transport

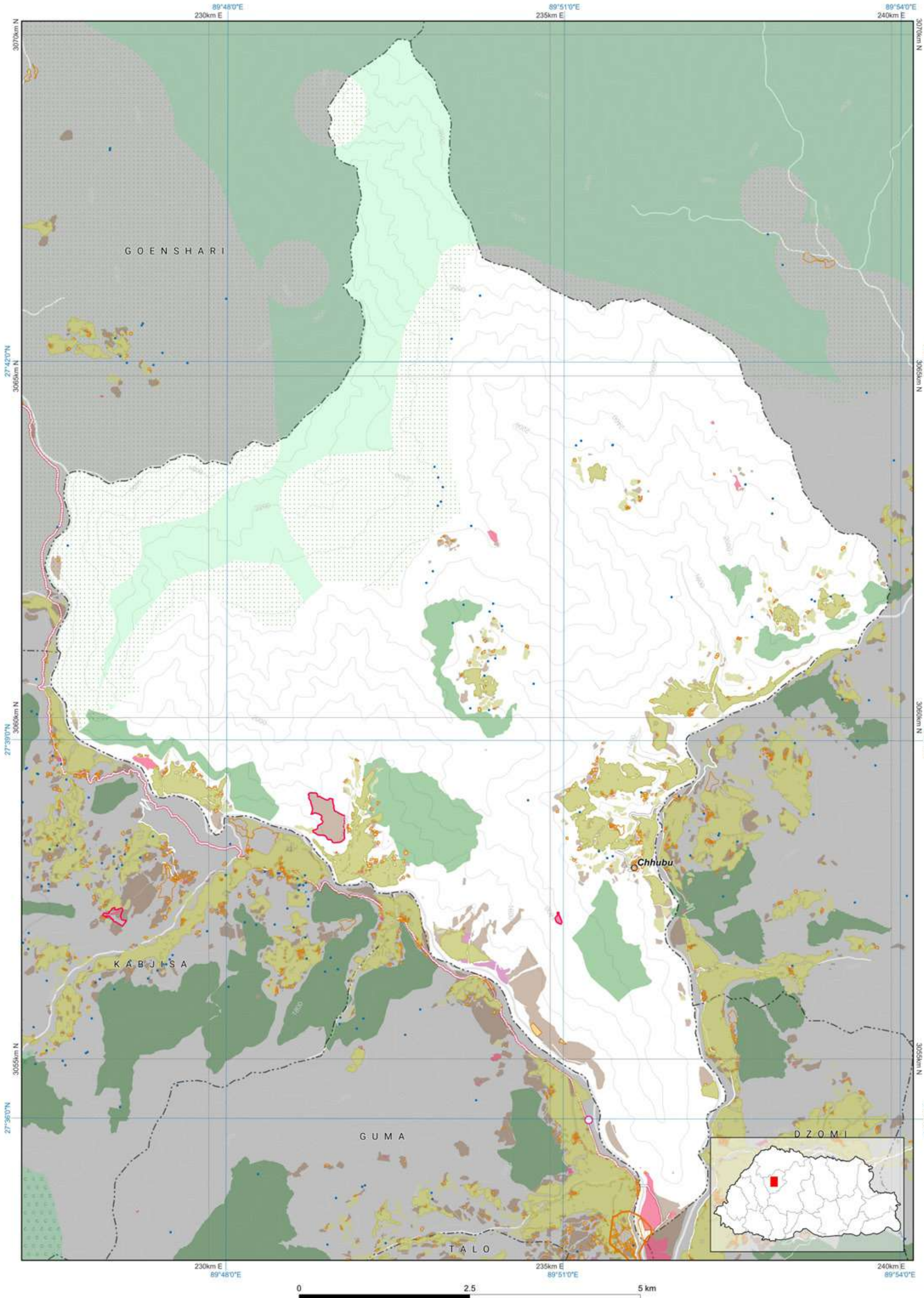
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Chhubu	916	735	1,651	124.6	30.6	4.3
Punakha Town	3,440	2,822	6,262	121.9	12.3	4

Disclaimer:

The demographic statistics provided in the table above for Punakha town encompass not only the area falling under the Chhubu gewog but also include the demographic statistics of the town area falling under the Guma and Dzomi gewog. The same statistics for Punakha town can be found under the Guma and Dzomi gewog.



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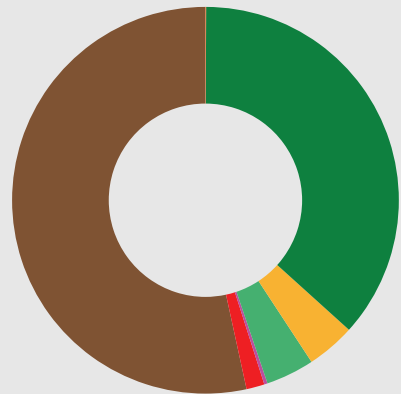
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## Zone Area

Gewog	Dzomi
Gewog code	1002
Gewog area	5399.449

Zone	Area
Agriculture	1199.436
Cultural Heritage	33.957
Industrial	6.18
NCA	90.83
Rangeland	0
Rural Settlement	91.392
SFMA	822.575
Urban	1.28



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

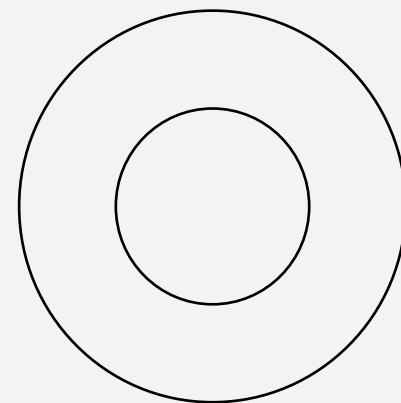
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	0	0	0	0	0
NCA	0	0	0.57	0	0	0	1.312	0
Agriculture	0	0.57	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	1.312	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

## Map Legend

### National Land Use Zoning

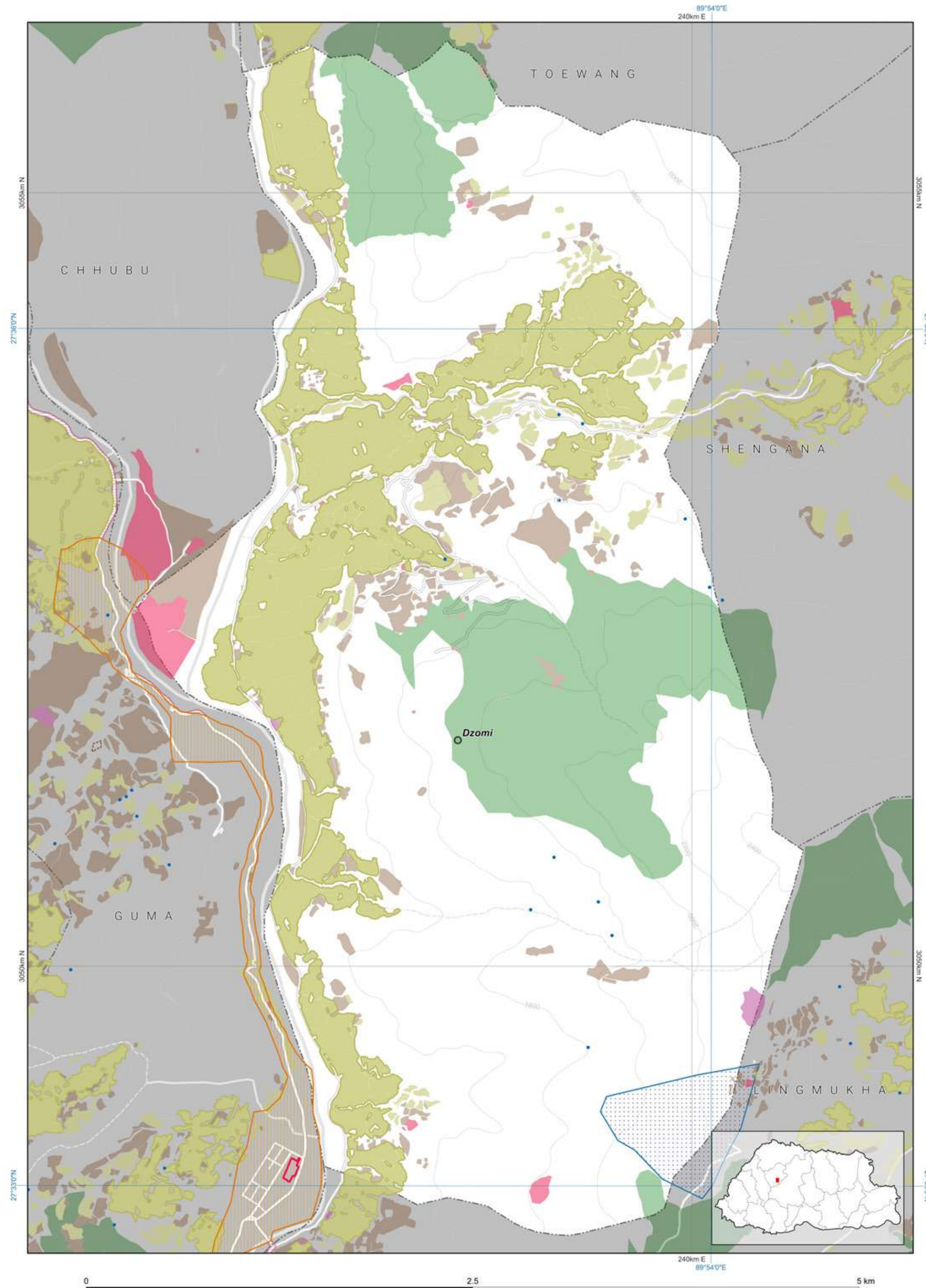
- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
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  - Tsamdro
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  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

### Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Punakha: Dzomi

## National Land Use Zoning 2023



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## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Dzomi	1,036	1,111	2,147	93.2	20.9	395
Punakha Town	3,440	2,822	6,262	121.9	12.3	1,049

**Disclaimer:**  
Disclaimer: The demographic statistics provided in the table above for Punakha town encompass not only the area falling under the Dzomi gewog but also include the demographic statistics of the town area falling under the Chhubu and Guma gewog. The same statistics for Punakha town can be found under the Chhubu and Guma gewog.

## Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
National Land Commission Secretariat

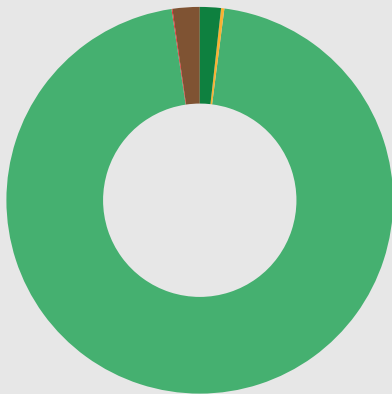






Zone Area

Gewog	Goenshari
Gewog code	1003
Gewog area	21840.861
Zone	Area
Agriculture	505.471
Cultural Heritage	17.144
Industrial	0.2
NCA	21373.506
Rangeland	0
Rural Settlement	61.309
SFMA	392.71
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	392.71	0.00	0	0	0	0	0
NCA	392.71	0	456.31	0	17.144	0.2	61.309	0
Agriculture	0	456.31	0	0	0.571	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	17.144	0.571	0	0	0	0.005	0
Industrial	0	0.2	0	0	0	0	0	0
Rural Settlement	0	61.309	0	0	0.005	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	4.135	0	0.000	0	0	0	0.156	0
Road	0	77.108	2.886	0	0	0	1.093	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	38.224
Road	84.205
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake
    - Outburst Flood
    - Right Of Way / Buffer
  - Heritage
    - Heritage
    - Road
    - Powerlines
    - Flight Funnel
  - Other Effective Area-based Conservation Measures
    - Key Biodiversity Area
    - High Conservation Value
  - Rangeland
    - Tsamdro
  - Significant Watershed
    - Potential Recharge Area
    - Payment for Ecosystem Services
    - Water Sources
  - Industrial
    - Manufacturing and Production
    - Service
    - Existing mines
    - Airport
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    - Hydro Power Plants
    - Hydro Power Waterways

Basemap

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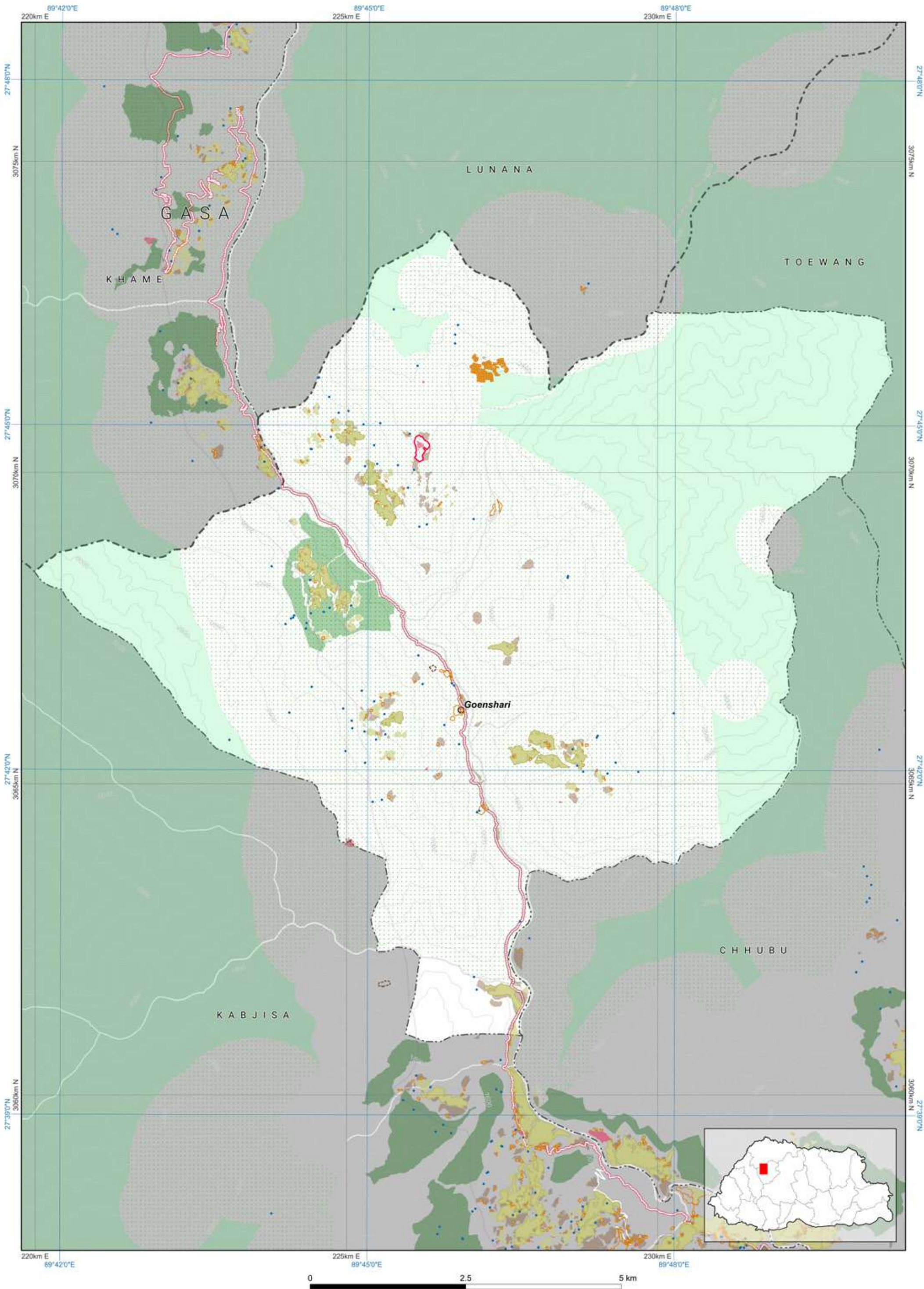
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Goenshari	413	281	694	147.0	47.8	145
						3.6

Punakha: Goenshari

National Land Use Zoning 2023



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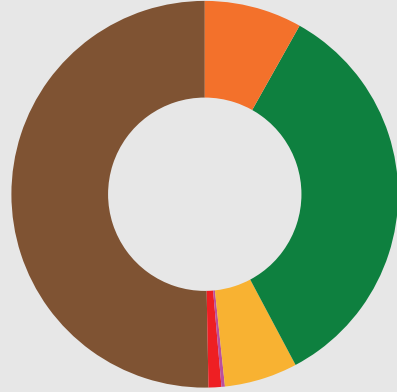
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GUMA

## Zone Area

Gewog	Guma
Gewog code	1004
Gewog area	9136.982
Zone	Area
Agriculture	1702.384
Cultural Heritage	36.185
Industrial	9.804
NCA	0
Rangeland	0
Rural Settlement	207.018
SFMA	1152.677
Urban	275.988



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	35.374	0	0	0.003	0
Urban	0	0	35.374	0	2.329	0.05	65.183	0
Culture	0	0	0	2.329	0	0	0	0
Industrial	0	0	0	0.05	0	0	0	0
Rural Settlement	0	0	0.003	65.183	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0.247	0	13.141	0	0	0	3.309	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	75.202
Flood Hazard	0
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

Rural Settlement

- Residential Land
- Institutional Land

Sustainable Forest Management Area

- Forest Management Unit
- Community Forest

Cultural Heritage

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

Urban

- Urban Zone

### Nature Conservation Area

Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

Wetland

- Ramsar Site

### Hazard and Risk

Rain Induced Flood

- Glacier Lake
- Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

Key Biodiversity Area

- High Conservation Value
- Rangeland
- Tsamdro

### Significant Watershed

Potential Recharge Area

- Payment for Ecosystem Services
- Water Sources

### Industrial

Manufacturing and Production

- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

### Roads for different map scales

Highway 300k

- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Data Ownership

### Data Owner of the Map Content

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Department of Water

Ministry of Energy and Natural Resources

Department of Culture and Dzongkha Development

Ministry of Home Affairs

Department of Air Transport

Ministry of Infrastructure and Transport

Department of Human Settlement

Ministry of Infrastructure and Transport

Department of Surface Transport

Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

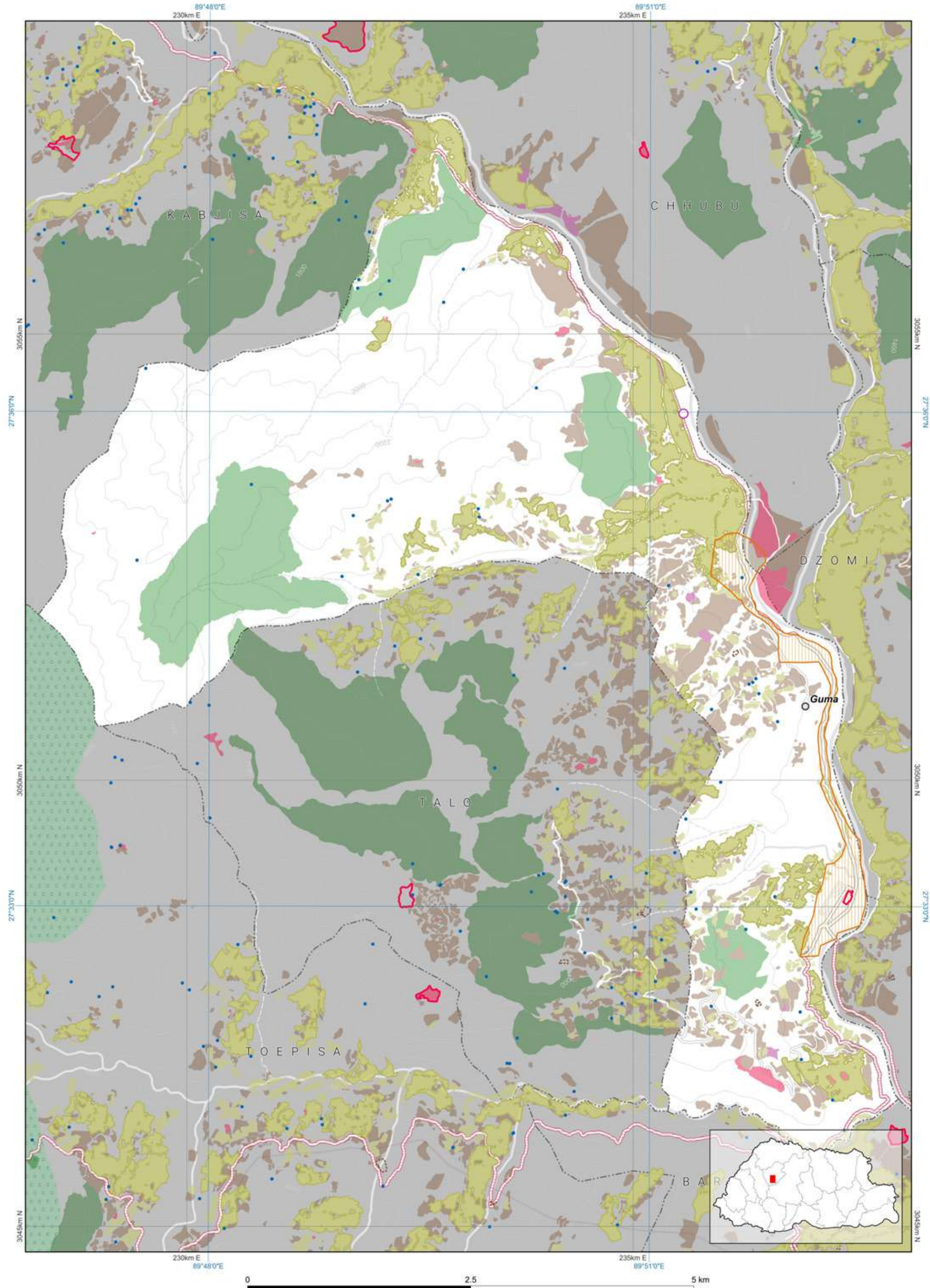
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Guma	1,454	1,298	2,752	112.0	30.2	588
Punakha Town	3,440	2,822	6,262	121.9	12.3	1,049

### Disclaimer:

The demographic statistics provided in the table above for Punakha town encompass not only the area falling under the Guma gewog but also include the demographic statistics of the town area falling under the Chhubu and Dzomi gewog. The same statistics for Punakha town can be found under the Chhubu and Dzomi gewog.

Punakha: Guma

## National Land Use Zoning 2023



Disclaimer: This map, designed by NLCS, is an essential component of the limited edition of NLUZ Baseline report 2023 and should be used along with the report. More specific information on the data is available from the rightful owner listed on the opposite page.

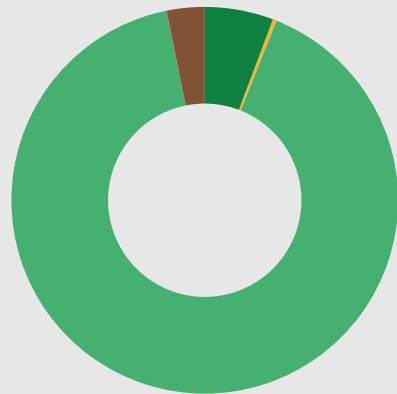
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## Zone Area

Gewog	Kabjisa
Gewog code	1005
Gewog area	51007.008
Zone	Area
Agriculture	1398.114
Cultural Heritage	14.728
Industrial	0.35
NCA	40160.625
Rangeland	0
Rural Settlement	139.621
SFMA	2535.514
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	241.378	0.00	0	0	0	0	0
NCA	2 41.378	0	17.32	0	1.131	0	0	0
Agriculture	0	17.32	0	0	2.172	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	1.131	2.172	0	0	0.1	0.002	0
Industrial	0	0	0	0	0.1	0	0	0
Rural Settlement	0	0	0	0	0.002	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	10.814	17.863	0.448	0	0	0	0	0
Road	3.51	0	9.466	0	0.079	0	2.453	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	64.918
Road	65.12
Flood Hazard	0
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

## Map Legend

## National Land Use Zoning

Agricultural Land	Kamzhing
Protected Chhuzhing	Regulated Chhuzhing
Lease Land	
Rural Settlement	Residential Land
Institutional Land	
Sustainable Forest Management Area	Forest Management Unit
Community Forest	
Cultural Heritage	Religious Sites
Heritage Village	Heritage Conservation Zone
Urban	Urban Zone
Nature Conservation Area	Protected Area
Core Zone	Transition Zone
Buffer Zone	Multi Use Zone
Biological Corridor / Botanical Park	
Wetland	Ramsar Site
Hazard and Risk	Rain Induced Flood
Glacier Lake	Outburst Flood
Right Of Way / Buffer	Heritage
Road	Powerlines
Flight Funnel	
Other Effective Area-based Conservation Measures	Key Biodiversity Area
High Conservation Value	
Rangeland	Tsamdro
Significant Watershed	Potential Recharge Area
Payment for Ecosystem Services	Water Sources
Industrial	Manufacturing and Production
Service	Existing mines
Airport	Helipad
Hydro Power Plants	Hydro Power Waterways
Basemap	Boundaries
International	Dzongkhag
Gewog	
Rivers	Main river
Perennial	
Terrain	Contour
Roads for different map scales	Highway 300k
Thromde 50k	Thromde 25k
Thromde 5k	Access 5k
Dzongkhag 50k	Industrial 5k
Dzongkhag 25k	Farm 5k
Dzongkhag 5k	

## Data Ownership

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Department of Forests and Park Services  
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Department of Water  
Ministry of Energy and Natural Resources

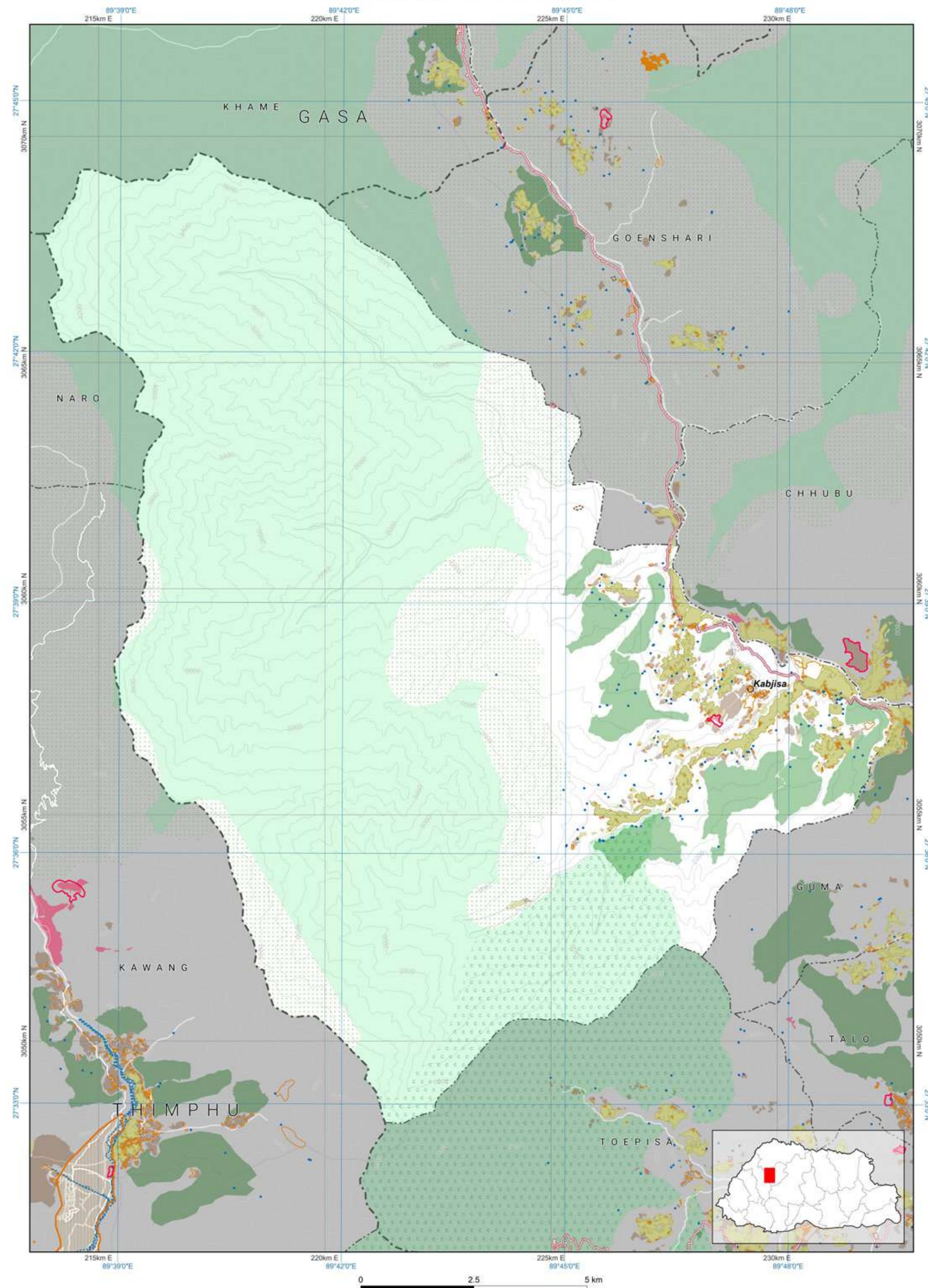
Department of Culture and Dzongkha Development  
Ministry of Home Affairs

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Punakha: Kabjisa

## National Land Use Zoning 2023



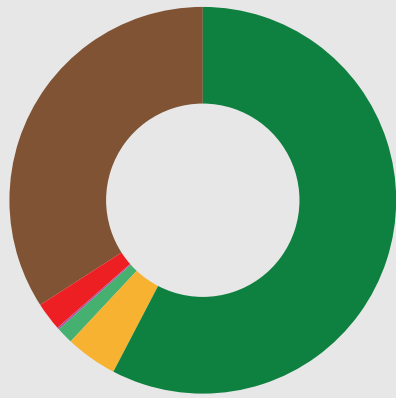
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Zone Area

Gewog	Lingmukha
Gewog code	1006
Gewog area	8437.484
Zone	Area
Agriculture	851.22
Cultural Heritage	59.048
Industrial	4.094
NCA	34.873
Rangeland	0
Rural Settlement	107.898
SFMA	1438.915
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	1.74	0	0.477	0	17.869	0
Agriculture	0	1.74	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0.477	0	0	0	0.1	0	0
Industrial	0	0	0	0	0.1	0	0	0
Rural Settlement	0	17.869	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0.636	0	0	0.07	2.28	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	28.954
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land
- Rural Settlement
- Residential Land
- Institutional Land
- Sustainable Forest Management Area
- Forest Management Unit
- Community Forest

- Cultural Heritage
- Religious Sites
- Heritage Village
- Heritage Conservation Zone

- Urban
- Urban Zone

Nature Conservation Area

- Protected Area
- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

Wetland

- Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake
- Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
- Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k

- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Data Ownership

Data Owner of the Map Content

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Ministry of Agriculture and Livestock

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Lingmukha	535	483	1,018	110.8	41.7	260

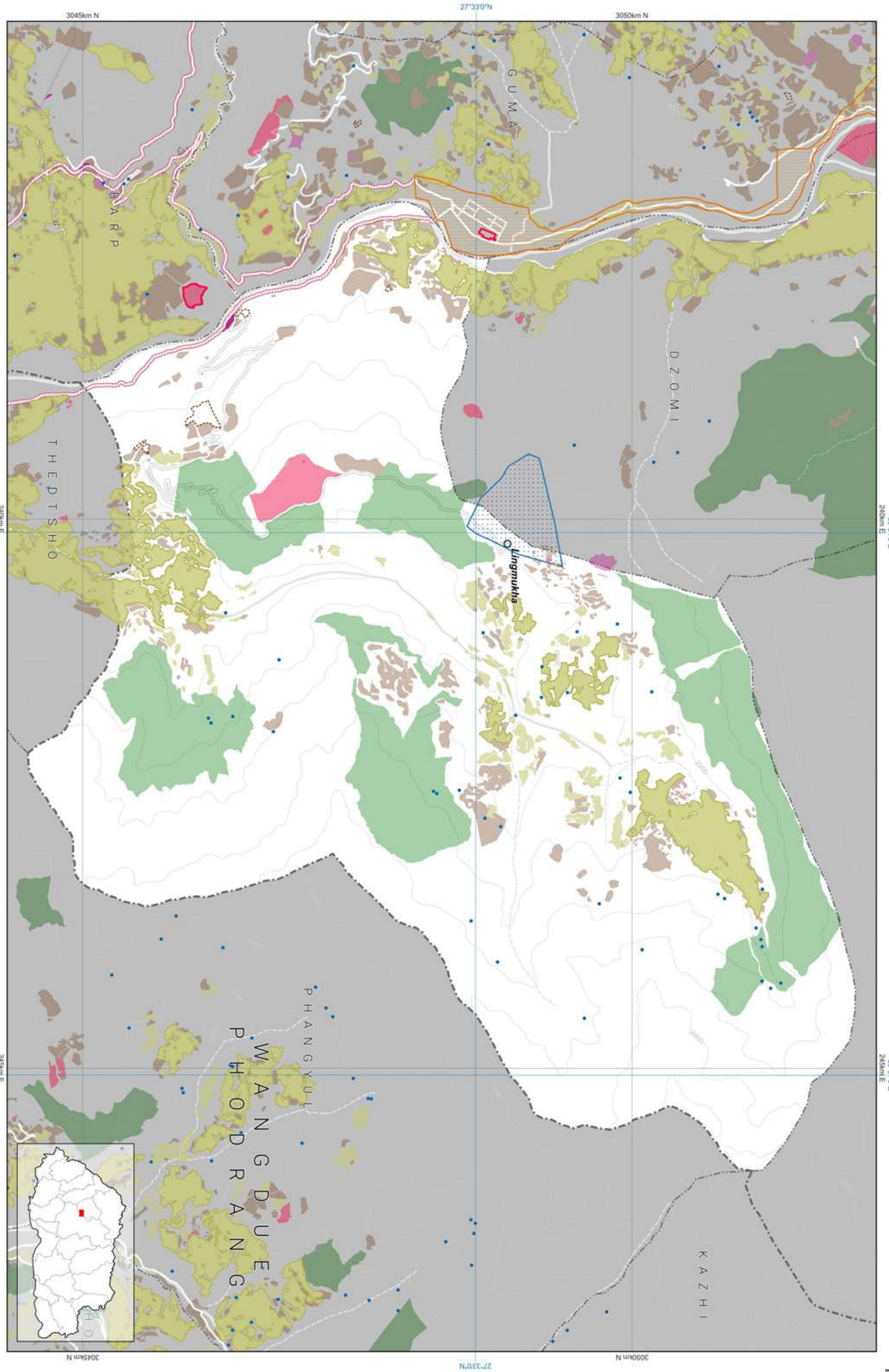
Mean Household size

3.7

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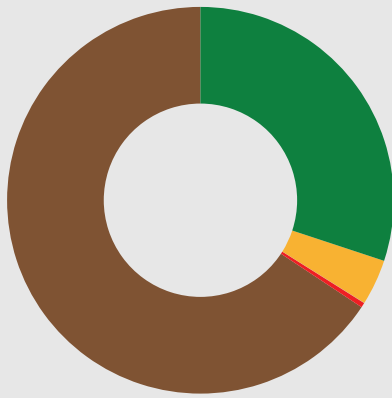
The scale of this map is determined by the geospatial data. If required, the scale of the map can be determined from the geospatial data. The map is compiled from the data of multiple agencies.





Zone Area

Gewog	Shengana
Gewog code	1007
Gewog area	15421.86
Zone	Area
Agriculture	939.513
Cultural Heritage	5.71
Industrial	0.27
NCA	0
Rangeland	0
Rural Settlement	54.866
SFMA	430.268
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

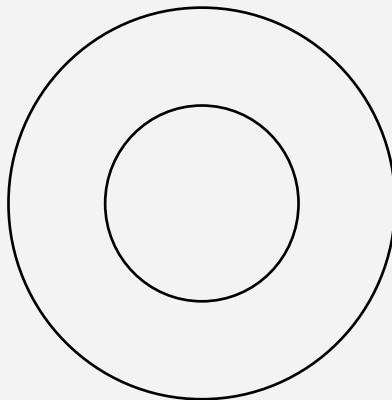
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

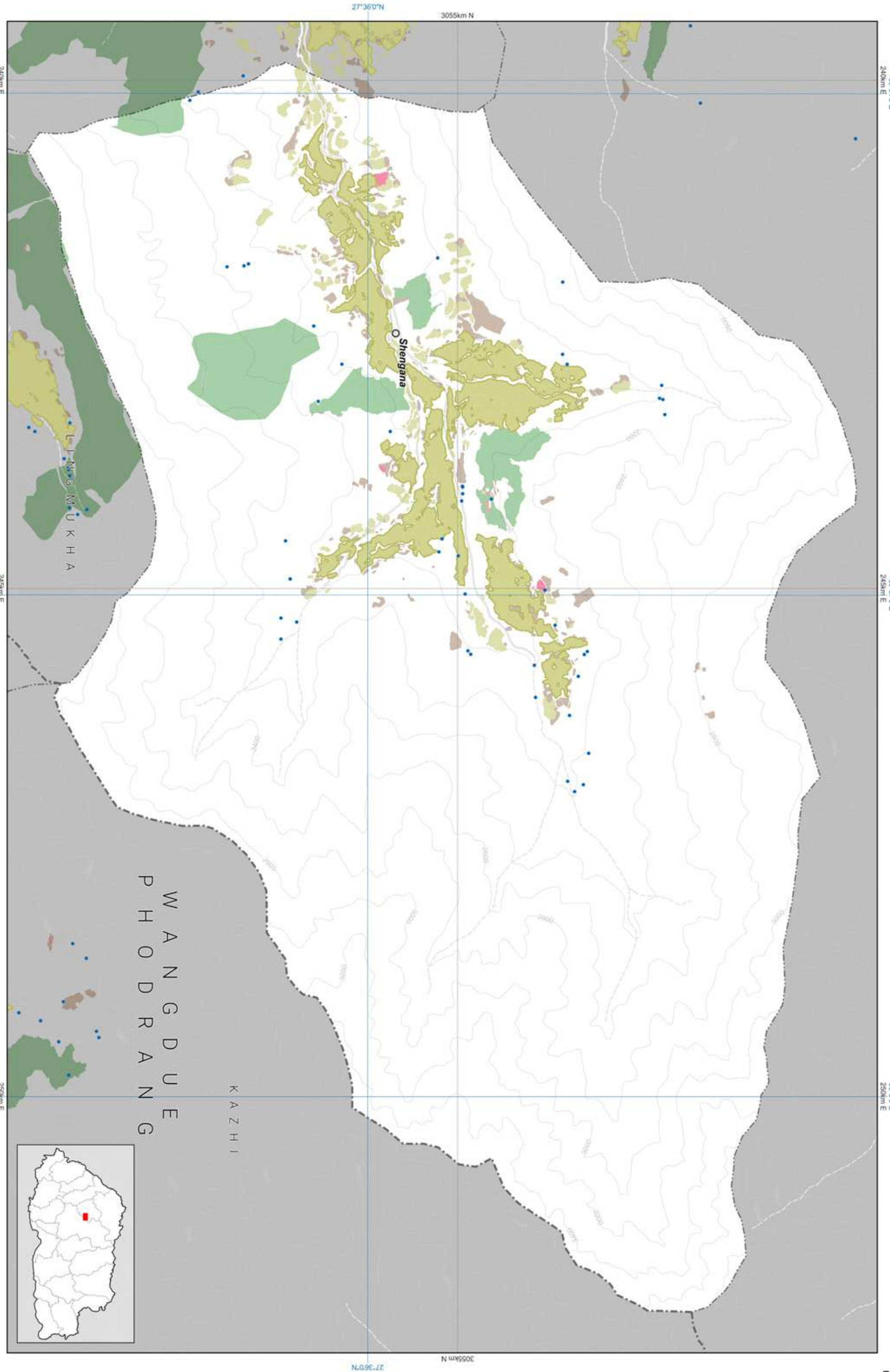
National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

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Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population			Sex ratio	Aging Index
	Male	Female	Total		
Shengana	522	481	1,003	108.5	45.8

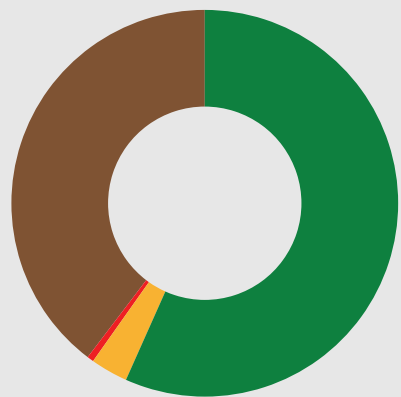
Number of household 239

Mean Household size 3.7



## Zone Area

Gewog	Talo
Gewog code	1008
Gewog area	6293.82
Zone	Area
Agriculture	1136.925
Cultural Heritage	15.732
Industrial	0
NCA	0
Rangeland	0
Rural Settlement	89.532
SFMA	1625.22
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

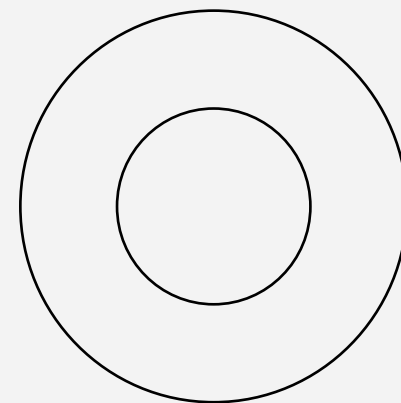
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

## Map Legend

## National Land Use Zoning

Agricultural Land

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

Rural Settlement

- Residential Land
- Institutional Land

Sustainable Forest Management Area

- Forest Management Unit
- Community Forest

Cultural Heritage

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

Urban

- Urban Zone

## Nature Conservation Area

Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

Wetland

- Ramsar Site

## Hazard and Risk

- Rain Induced Flood
- Glacier Lake
- Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

## Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

Rangeland

- Tsamdro

## Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

## Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

## Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k

- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

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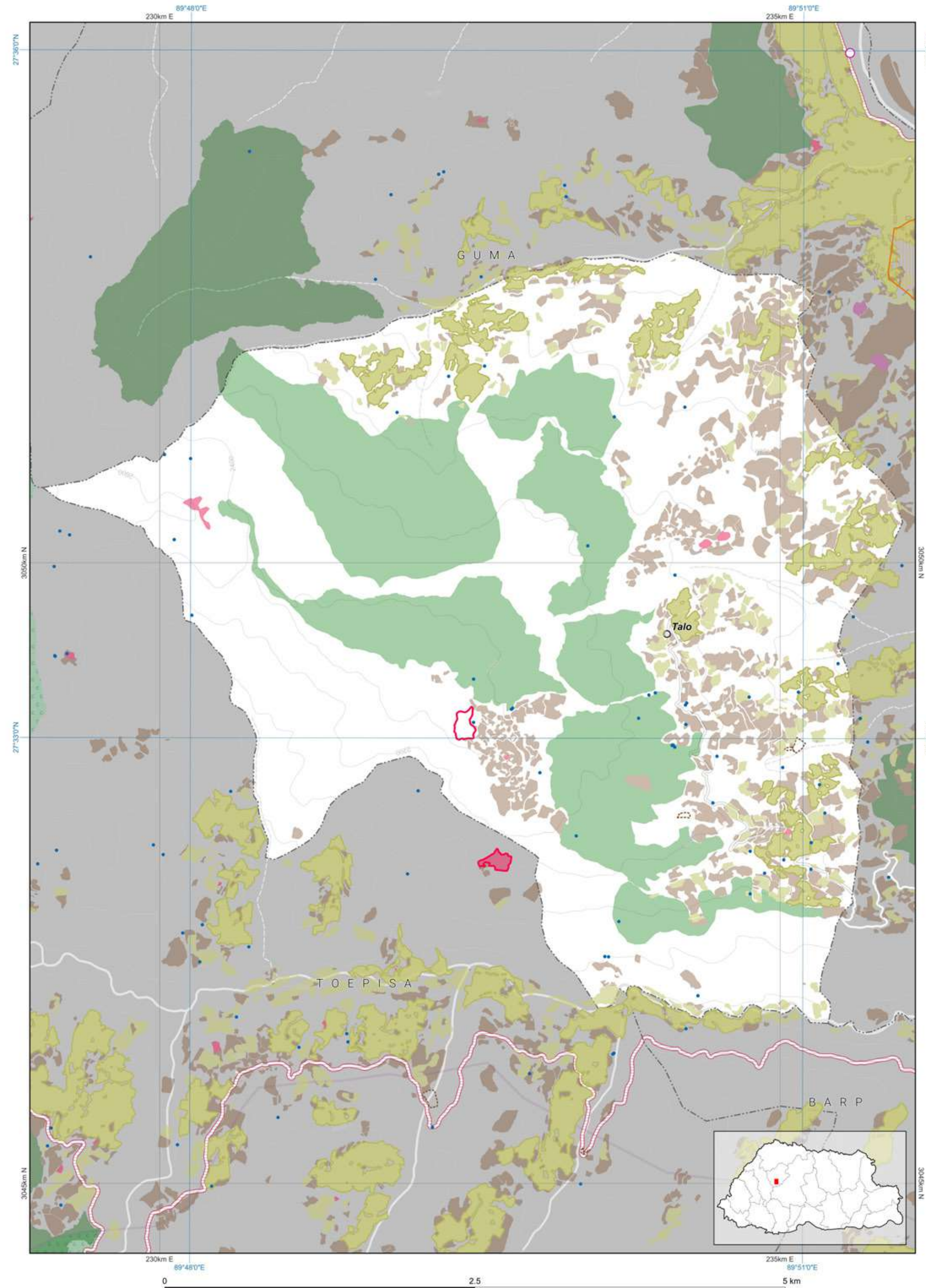
National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Talo	628	577	1,205	108.8	47.6	348	3.2

Punakha: Talo

## National Land Use Zoning 2023



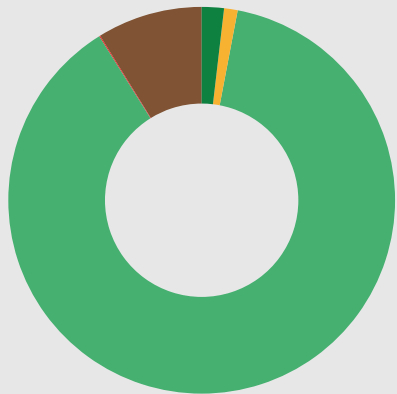
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## Zone Area

Gewog	Toepisa
Gewog code	1011
Gewog area	25357.804
Zone	Area
Agriculture	1639.962
Cultural Heritage	14.762
Industrial	0.499
NCA	16407.399
Rangeland	0
Rural Settlement	210.767
SFMA	344.601
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	125.719	0.00	0	0	0	0	0
NCA	125.719	0	93.37	0	3.501	0.315	131.444	0
Agriculture	0	93.37	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	3.501	0	0	0	0	0	0
Industrial	0	0.315	0	0	0	0	0	0
Rural Settlement	0	131.444	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	14.784	43.908	9.678	0	0	0	1.779	0
Road	0.142	158.647	11.409	0.106	0.007	0.007	2.287	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	76.541
Road	252.606
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone

### Urban

- Urban Zone

### Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park

### Wetland

- Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

### Rangeland

- Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog

- Rivers
  - Main river
  - Perennial

- Terrain
  - Contour

- Roads for different map scales
  - Highway 300k
  - Highway 50k
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  - Highway 5k
  - Dzongkhag 50k
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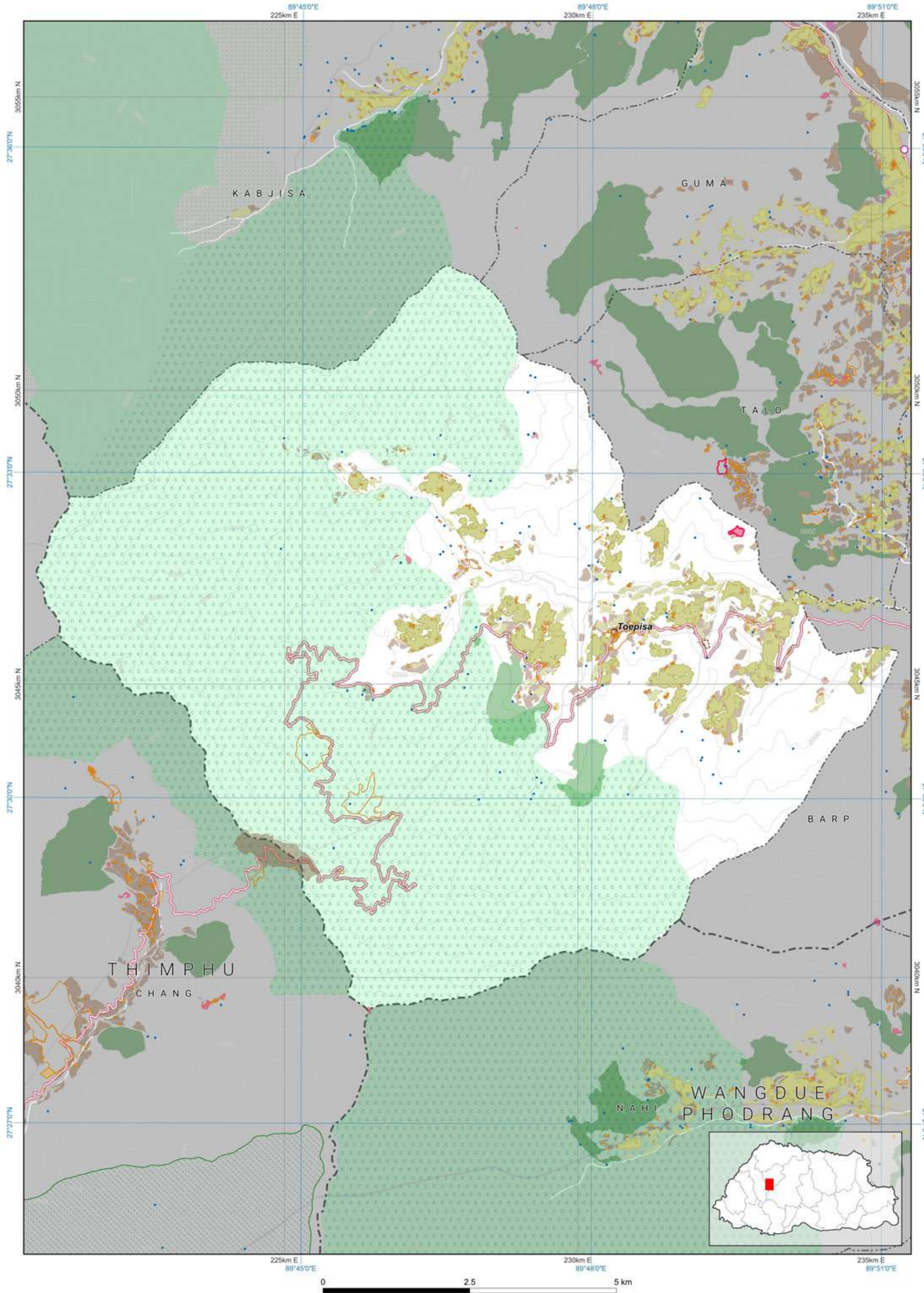
## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Toepisa	1,282	1,145	2,427	112.0	29.1	526

3.4

Punakha: Toepisa

## National Land Use Zoning 2023



Disclaimer: This map, designed by NLCS, is an essential component of the limited edition of NLUZ Baseline report 2023 and should be used along with the report. More specific information on the data is available from the rightful owner listed on the opposite page.

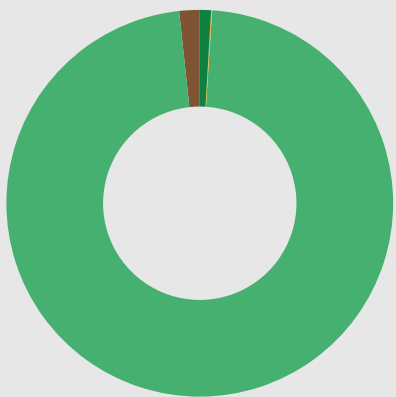
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.





Zone Area

Gewog	Toewang
Gewog code	1009
Gewog area	102924.533
Zone	Area
Agriculture	1309.37
Cultural Heritage	1.542
Industrial	0.415
NCA	74625.264
Rangeland	0
Rural Settlement	65.232
SFMA	716.462
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

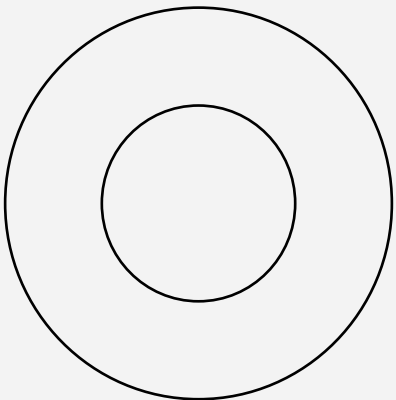
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	65.405	0.00	0	0	0	0	0
NCA	65.405	0	44.91	0	0	0	7.85	0
Agriculture	0	44.91	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	7.85	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog

- Rivers
  - Main river
  - Perennial

- Terrain
  - Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Toewang	620	693	1,313	89.5	36.8	305

Data Ownership

Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

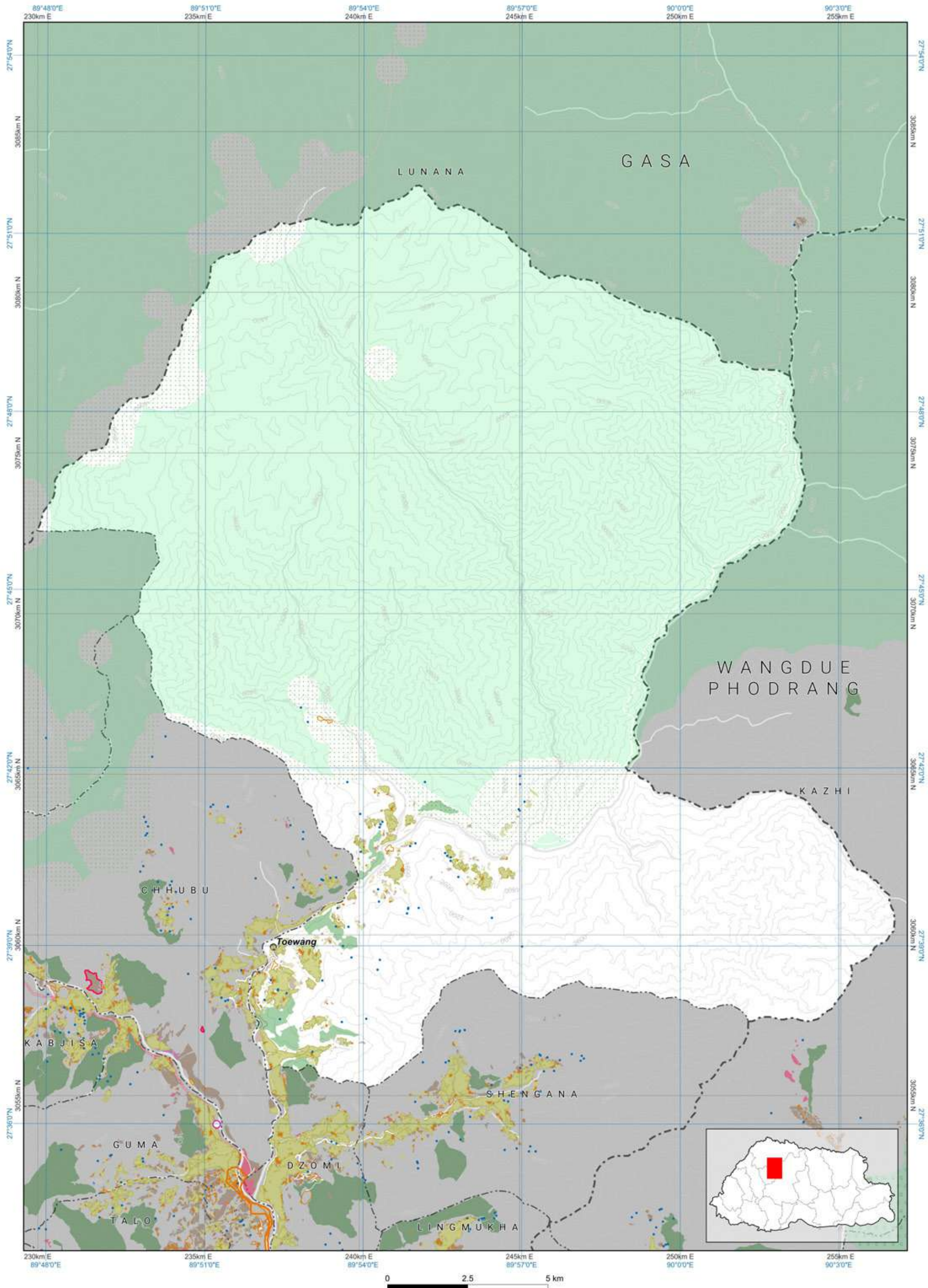
Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

National Land Commission Secretariat

Punakha: Toewang

National Land Use Zoning 2023



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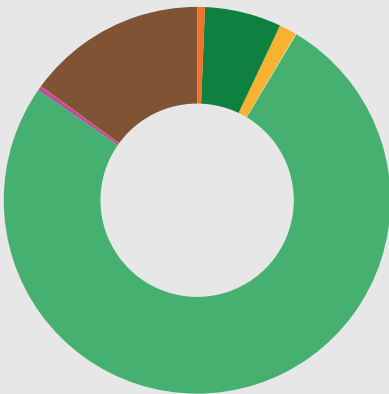
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Zone Area

Dzongkhag Samdrup Jongkhar	
Dzongkhag code	11
Dzongkhag area	463063.114
Zone Area	
Zone	Area
Agriculture	32791.483
Culture	128.217
Industrial	780.127
NCA	166986.529
Rangeland	158.707
Rural Settlement	3189.395
SFMA	14057.51
Urban	1415.945



All areas are in Acres.

- Agriculture
- Culture
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	846.477	0.002	0.301	0	0	0	0
NCA	846.477	0	1,624.82	354.74	5.35	10.303	1060.283	0
Agriculture	0.002	1,624.82	0.00	37.523	0	0.637	0.002	0
Urban	0.301	354.74	37.523	0	0	0.023	40.871	0
Culture	0	5.35	0	0	0	0	0	0
Industrial	0	10.303	0.637	0.023	0	0	0	0
Rural Settlement	0	1060.283	0.002	40.871	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	12.083	145.169	114.083	2.798	0	4.583	2.196	0
Road	0	1.505	50.240	0	0	0.195	17.729	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	563.523
Road	825.392
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

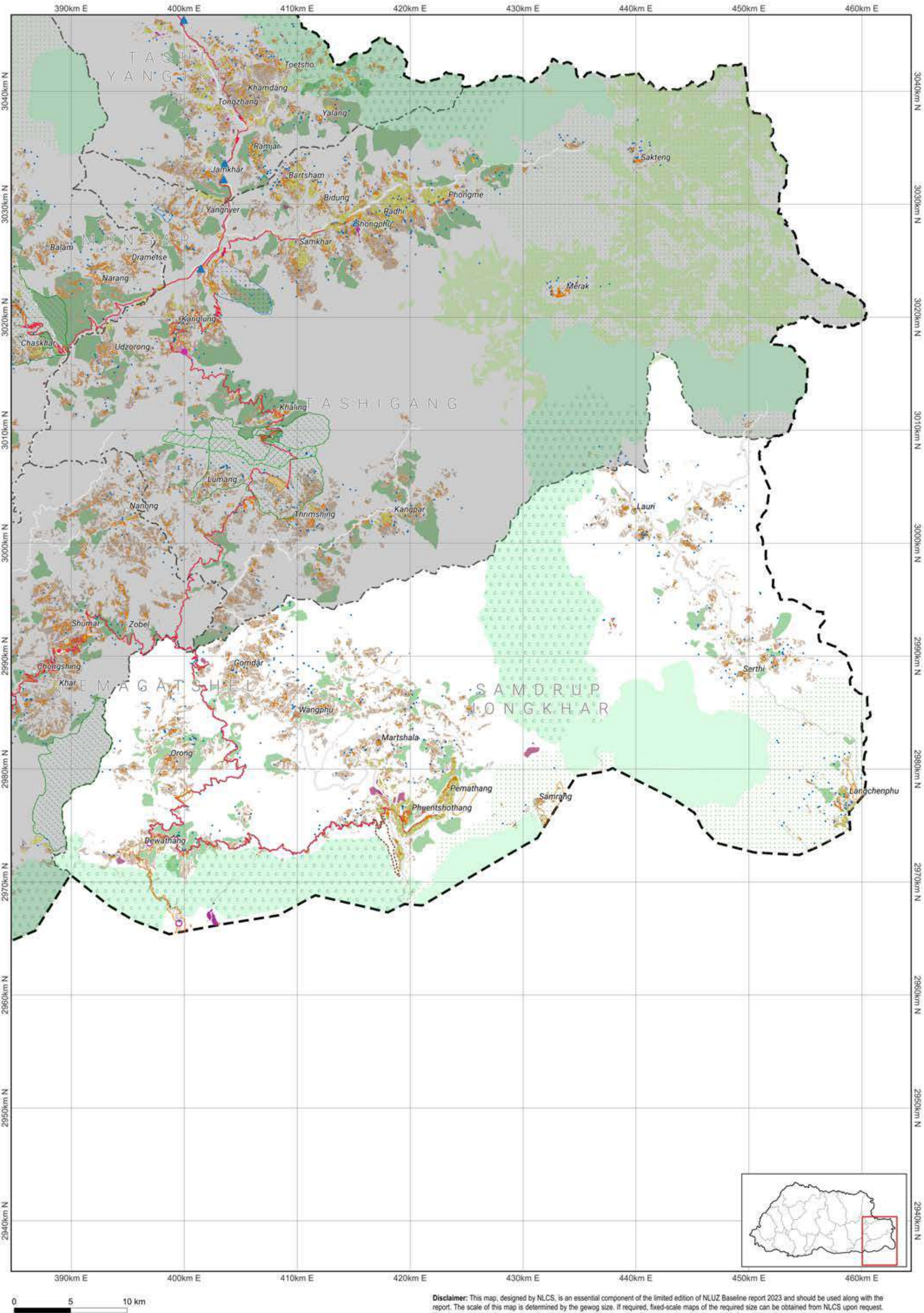
Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Samdrup Jongkhar	18,329	16,750	35,079	109.4	22.1	8,053

Map Legend

- National Land Use Zoning**
- Agricultural Land**
    - Kamzhing
    - Protected Chhuzhing
    - Regulated Chhuzhing
    - Lease Land
  - Rural Settlement**
    - Residential Land
    - Institutional Land
  - Sustainable Forest Management Area**
    - Forest Management Unit
    - Community Forest
  - Cultural Heritage**
    - Religious Sites
    - Heritage Village
    - Heritage Conservation Zone
  - Urban**
    - Urban Zone
  - Nature Conservation Area**
    - Protected Area**
      - Core Zone
      - Transition Zone
      - Buffer Zone
      - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland**
    - Ramsar Site
  - Hazard and Risk**
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    - Glacier Lake
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  - Other Effective Area-based Conservation Measures**
    - Key Biodiversity Area
    - High Conservation Value
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    - Tsamdro
  - Significant Watershed**
    - Potential Recharge Area
    - Payment for Ecosystem Services
    - Water Sources
  - Industrial**
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    - Airport
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  - Basemap**
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      - Thromde 25k
      - Thromde 5k
      - Access 5k
      - Industrial 5k
      - Farm 5k

Samdrup Jongkhar

National Land Use Zoning 2023



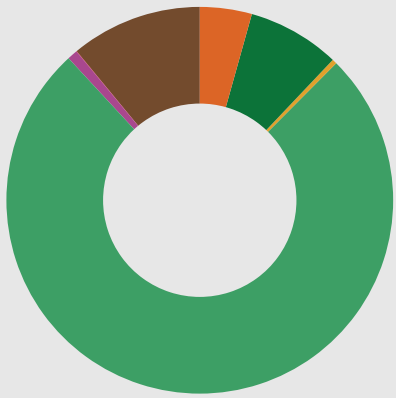




Zone Area

Gewog	Dewathang
Gewog code	1112
Gewog area	47933.625

Zone	Area
Agriculture	3084.556
Cultural Heritage	8.763
Industrial	241.306
NCA	21246.213
Rangeland	0
Rural Settlement	111.232
SFMA	2170.439
Urban	1219.142



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	328.688	0	0.301	0	0	0	0
NCA	328.688	0	292.94	157.852	0	0	6.611	0
Agriculture	0	292.94	0	36.944	0	0.636	0	0
Urban	0.301	157.852	36.944	0	0	0	1.442	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0.636	0	0	0	0	0
Rural Settlement	0	6.611	0	1.442	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	127.244	42.263	2.798	0	2.271	1.884	0
Road	7.678	1.505	16.198	0	0	0.161	2.57	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	245.715
Road	283.741
Flood Hazard	0
Flight Funnel	0
Heritage	0



Dewathang

- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Dewathang	1,599	1,315	2,914	121.6	14.5	685
Samdrup J. Thr.	5,016	4,309	9,325	116.4	11.0	2,055

Map Legend

National Land Use Zoning

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  - Heritage Conservation Zone
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  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
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    - Rain Induced Flood
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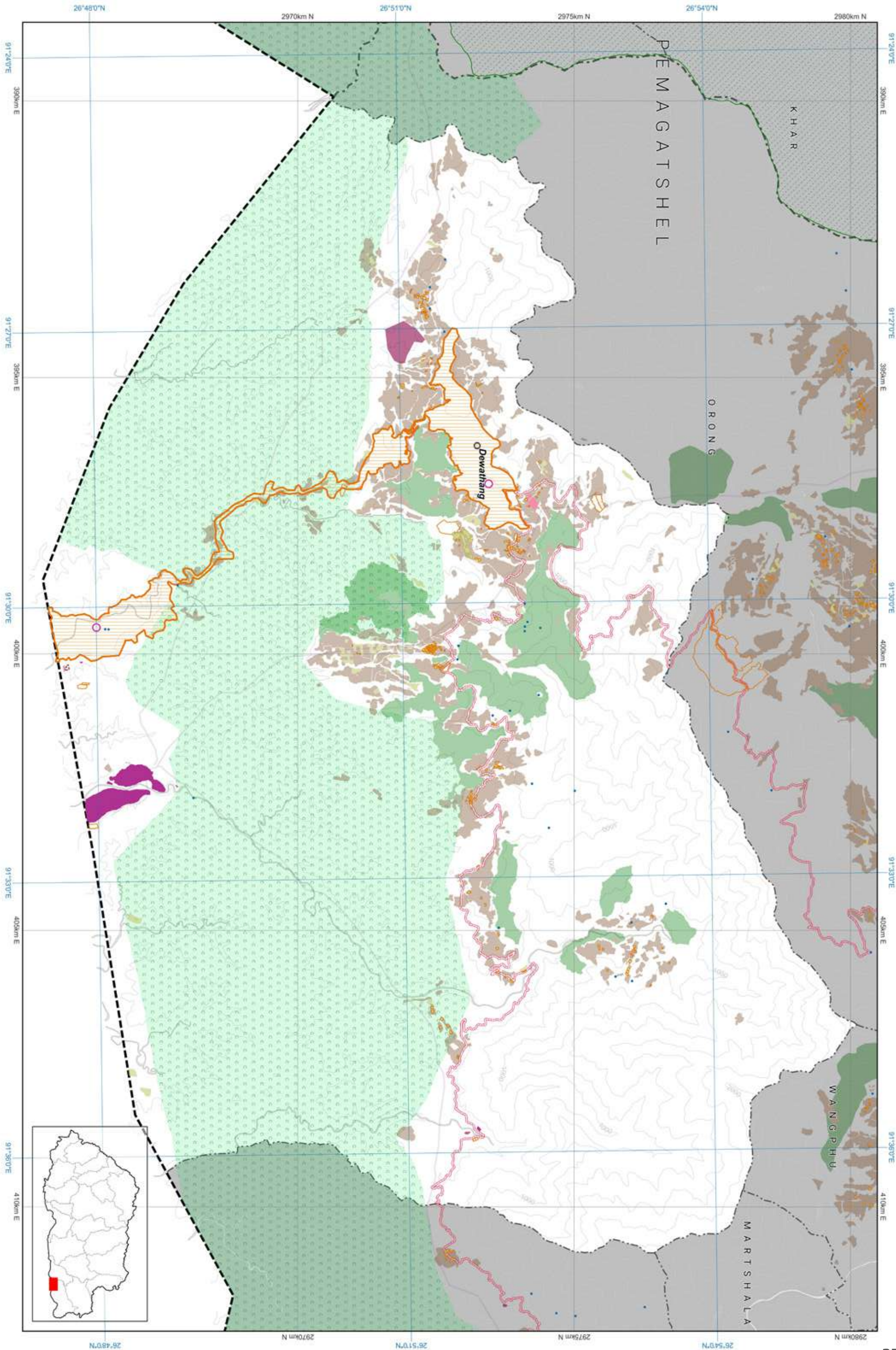
Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Air Transport Ministry of Infrastructure and Transport
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
Department of Geology and Mines Ministry of Energy and Natural Resources
National Land Commission Secretariat

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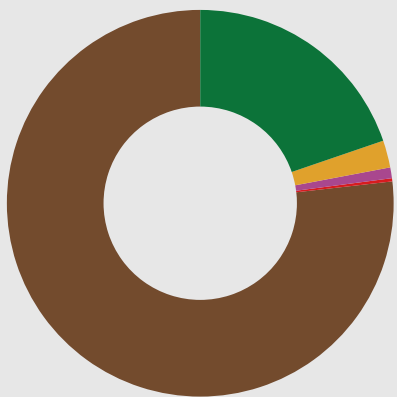






Zone Area

Gewog		Gomdar
Gewog code		1102
Gewog area		40328.222
Zone		Area
Agriculture		4345.308
Cultural Heritage		15.009
Industrial		50.87
NCA		0
Rangeland		0
Rural Settlement		128.592
SFMA		1117.712
Urban		0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0.002	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0.002	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	21.143	0	0	0	0.153	0
Road	0.004	0	3.465	0	0	0	0.207	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	51.368
Road	92.518
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Gomdar

Map Legend

National Land Use Zoning

- Agricultural Land
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  - Protected Chhuzhing
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  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

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  - Dzongkhag 25k
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  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Data Ownership

Data Owner of the Map Content

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

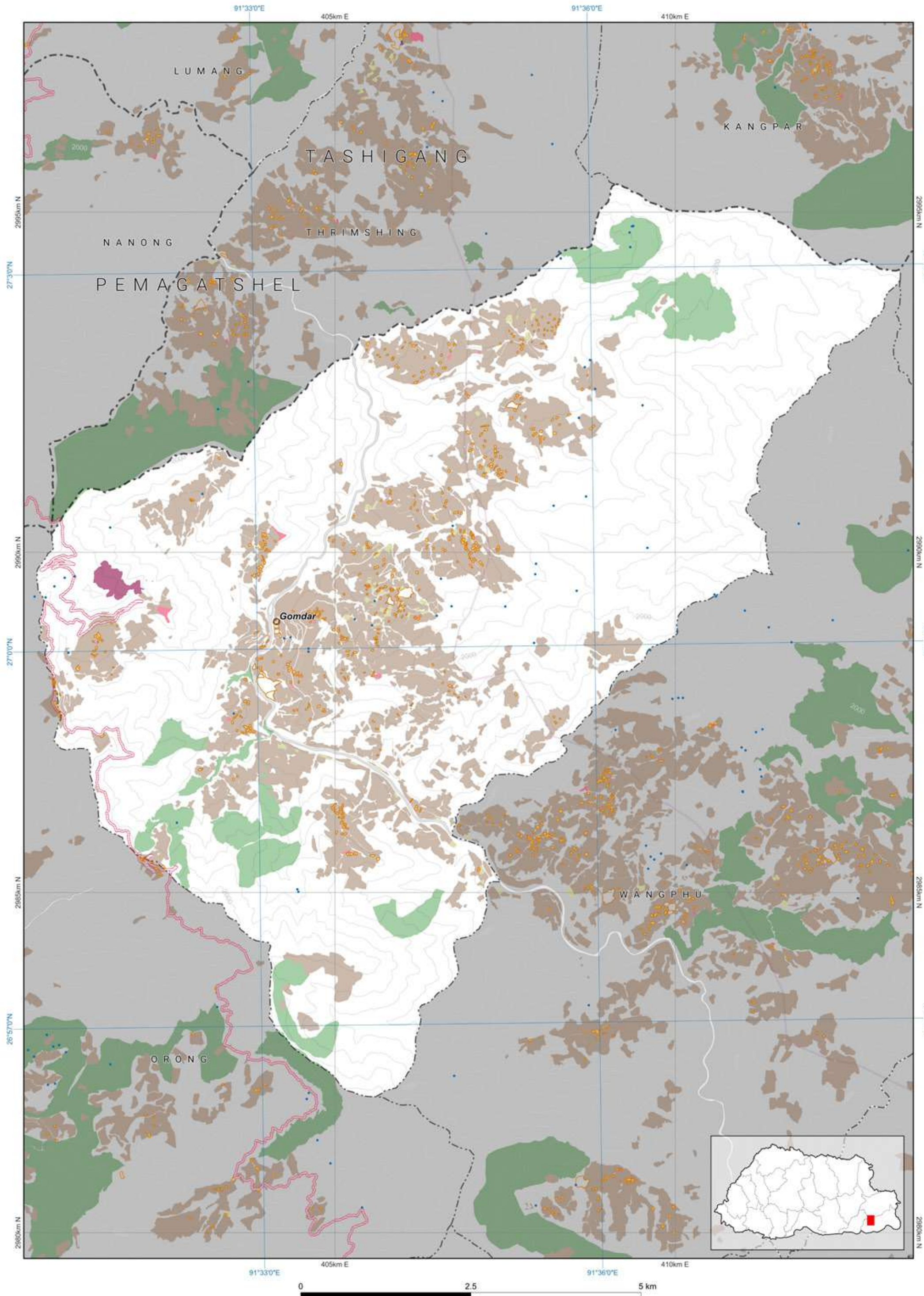
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Gomdar	1,578	1,628	3,206	96.9	26.1	752

Mean Household size

3.3

Samdrup Jongkhar: Gomdar

National Land Use Zoning 2023



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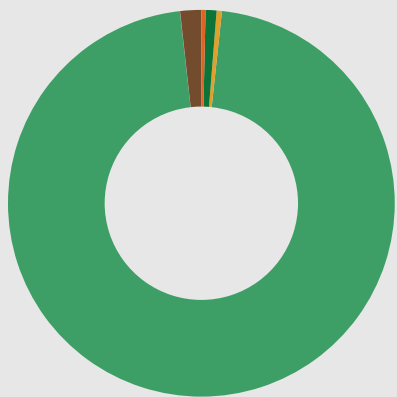
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### Zone Area

Gewog	Langchenphu
Gewog code	1103
Gewog area	54543.835

Zone	Area
Agriculture	992.716
Cultural Heritage	5.35
Industrial	9.353
NCA	54584.472
Rangeland	0
Rural Settlement	252.628
SFMA	514.006
Urban	196.803



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

### Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	513.46	0.00	0	0	0	0	0
NCA	513.46		991.66	196.59	5.344	9.343	252.357	0
Agriculture	0	991.66	0	0.559	0	0	0	0
Urban	0	196.59	0.559	0	0	0.023	39.385	0
Culture	0	5.344	0	0	0	0	0	0
Industrial	0	9.343	0	0.023	0	0	0	0
Rural Settlement	0	252.357	0	39.385	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

### RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	17.852	0	21.946	5.255	0	0	0.258	0
Road	50.513	0.022	13.248	0	0.043	3.227	0.492	0
Flood Hazard	0	0	8.020	89.935	0	174.754	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

### RoW / Buffer Area

Buffer Zone	Area
Transmission Line	161.239
Road	251.883
Flood Hazard	455.281
Flight Funnel	0
Heritage	0



Lauri

- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

### Map Legend

#### National Land Use Zoning

- Agricultural Land
  - Kamzhing
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  - Lease Land
- Rural Settlement
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  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transistion Zone
    - Buffer Zone
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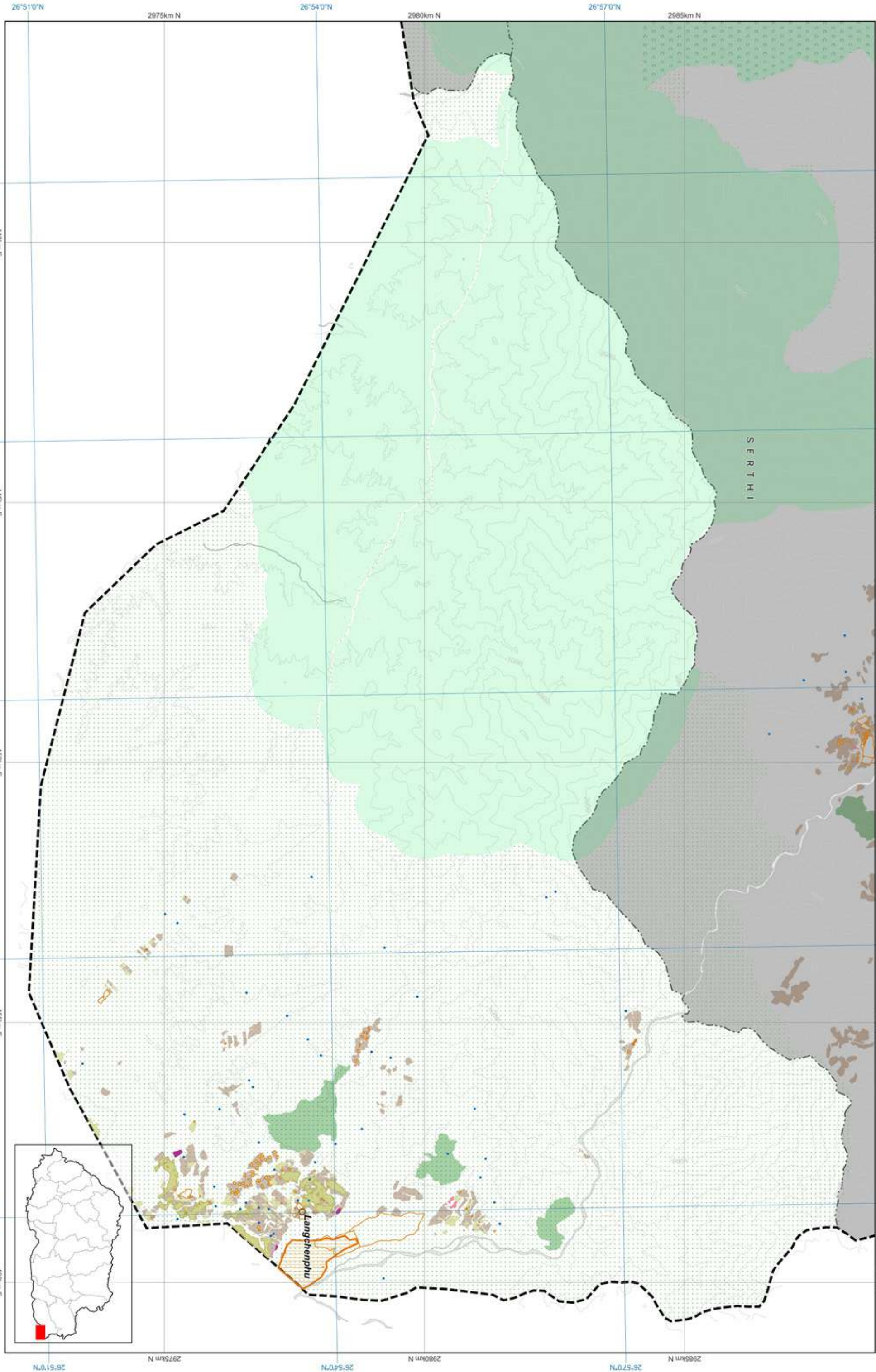
#### Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
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  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

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### Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Langchenphu	514	454	968	113.2	44.6	243
Jomotsangkha Town	600	536	1,136	111.9	6.3	287

### Data Ownership

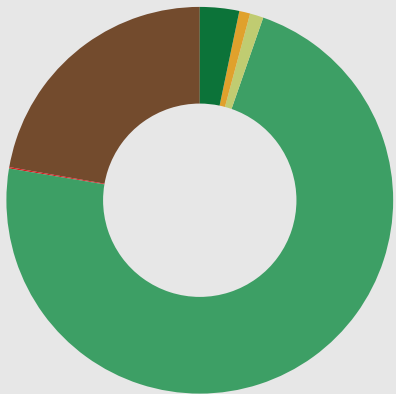
Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
National Land Commission Secretariat



### Zone Area

Gewog	Lauri
Gewog code	1104
Gewog area	67282.681

Zone	Area
Agriculture	3126.713
Cultural Heritage	15.57
Industrial	0.25
NCA	10157.783
Rangeland	158.707
Rural Settlement	127.74
SFMA	461.015
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

### Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	0	0	0	0	0
NCA	0	0	4.64	0	0	0	0	0
Agriculture	0.00	4.64	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

### RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	6.664	2.58	15.896	0	0	7.286	2.401	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	29.28	0.082	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

### RoW / Buffer Area

Buffer Zone	Area
Transmission Line	102.808
Road	0
Flood Hazard	86.659
Flight Funnel	0
Heritage	0



Langchenphu

- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

### Map Legend

#### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

#### Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

### Demographic Table

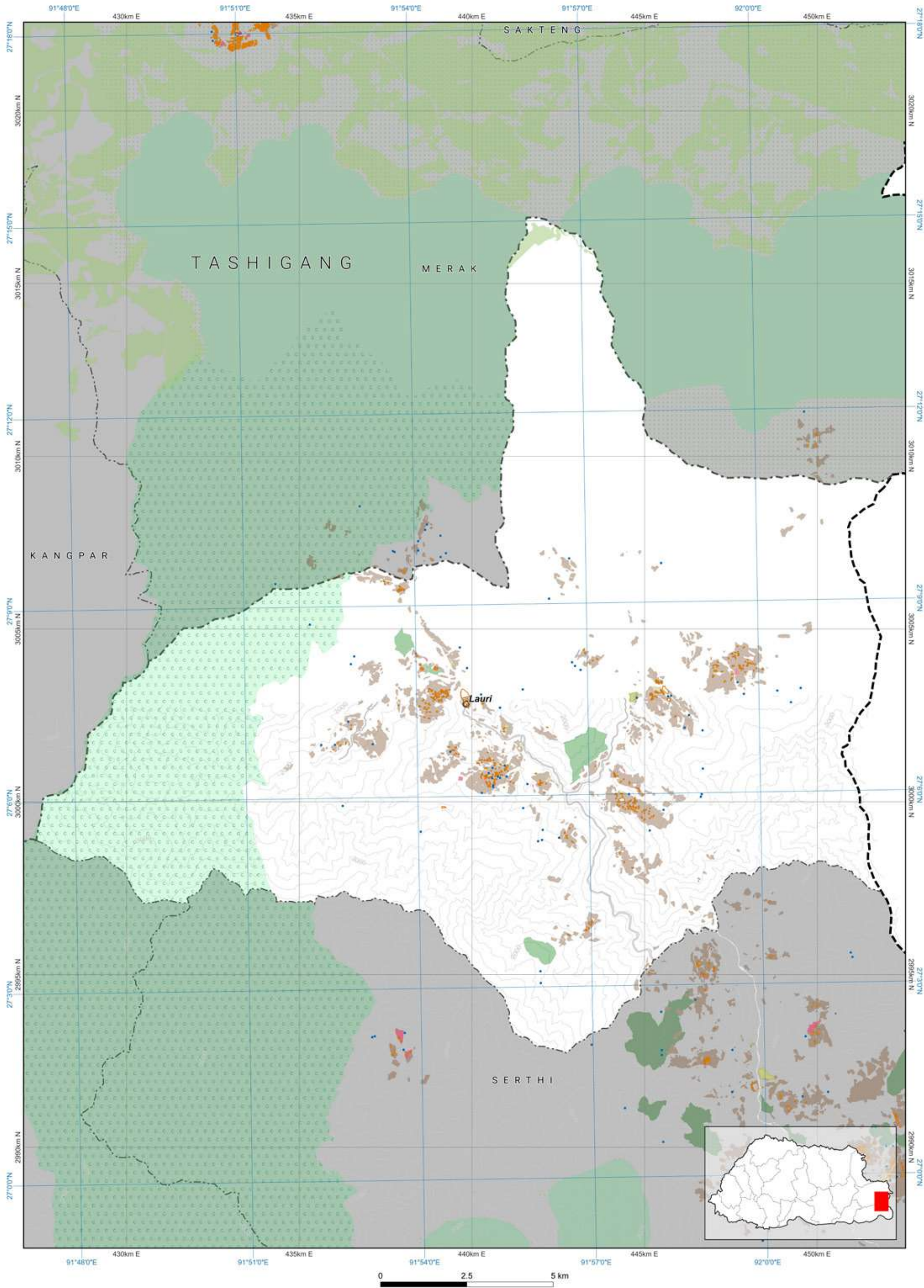
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Lauri	830	884	1,714	93.9	40.8	498

### Data Ownership

Data Owner of the Map Content
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Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Samdrup Jongkhar: Lauri

### National Land Use Zoning 2023



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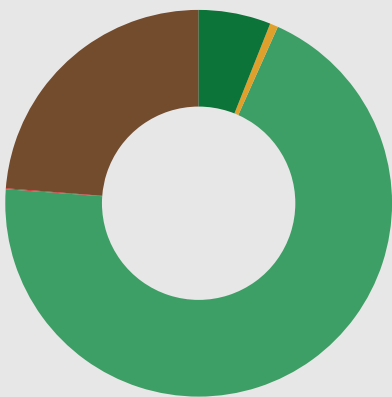
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### Zone Area

Gewog	Martshala
Gewog code	1105
Gewog area	73076.767

Zone	Area
Agriculture	5504.878
Cultural Heritage	16.872
Industrial	0.794
NCA	16086.219
Rangeland	0
Rural Settlement	159.225
SFMA	1396.381
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

### Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

### RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	9.684	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

### RoW / Buffer Area

Buffer Zone	Area
Transmission Line	33.886
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Martshala
- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

### Map Legend

#### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

#### Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

#### Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel

#### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

#### Rangeland

- Tsamdro

#### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

#### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

#### Basemap

##### Boundaries

- International
- Dzongkhag
- Gewog

##### Rivers

- Main river
- Perennial

##### Terrain

- Contour

##### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k

- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

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Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

### Demographic Table

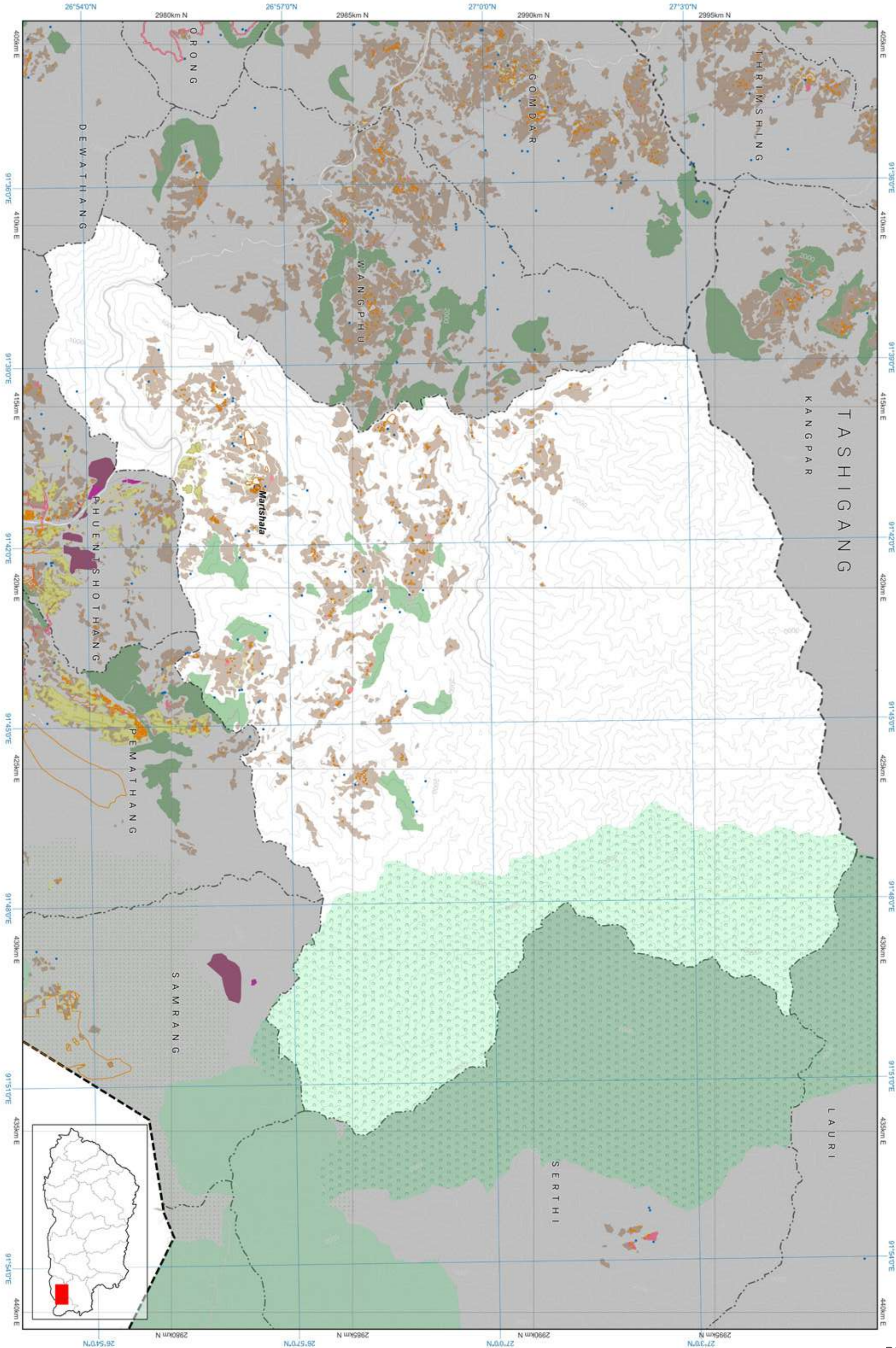
Gewog wise Key Demographic Indicators, 2017 ( Source: NSE, PHCS 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Martshala	1,381	1,208	2,589	114.3	22.3	571

3.4

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Sandrup Jongkhar: Martshala

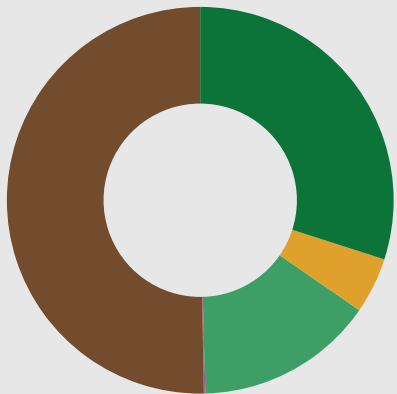
National Land Use Zoning 2023





Zone Area

Gewog	Orong
Gewog code	1107
Gewog area	40328.222
Zone	Area
Agriculture	4094.911
Cultural Heritage	3.37
Industrial	6.826
NCA	1216.921
Rangeland	0
Rural Settlement	381.426
SFMA	2438.075
Urban	0



All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	0	0	0	0	0
NCA	0	0	0.19	0	0	0	0	0
Agriculture	0	0.19	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	5.697	16.274	17.548	0	0	0	0.043	0
Road	0.002	0	2.513	0	0	0.034	6.869	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	104.151
Flood Hazard	206.496
Flight Funnel	0
Heritage	0



Orong

- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

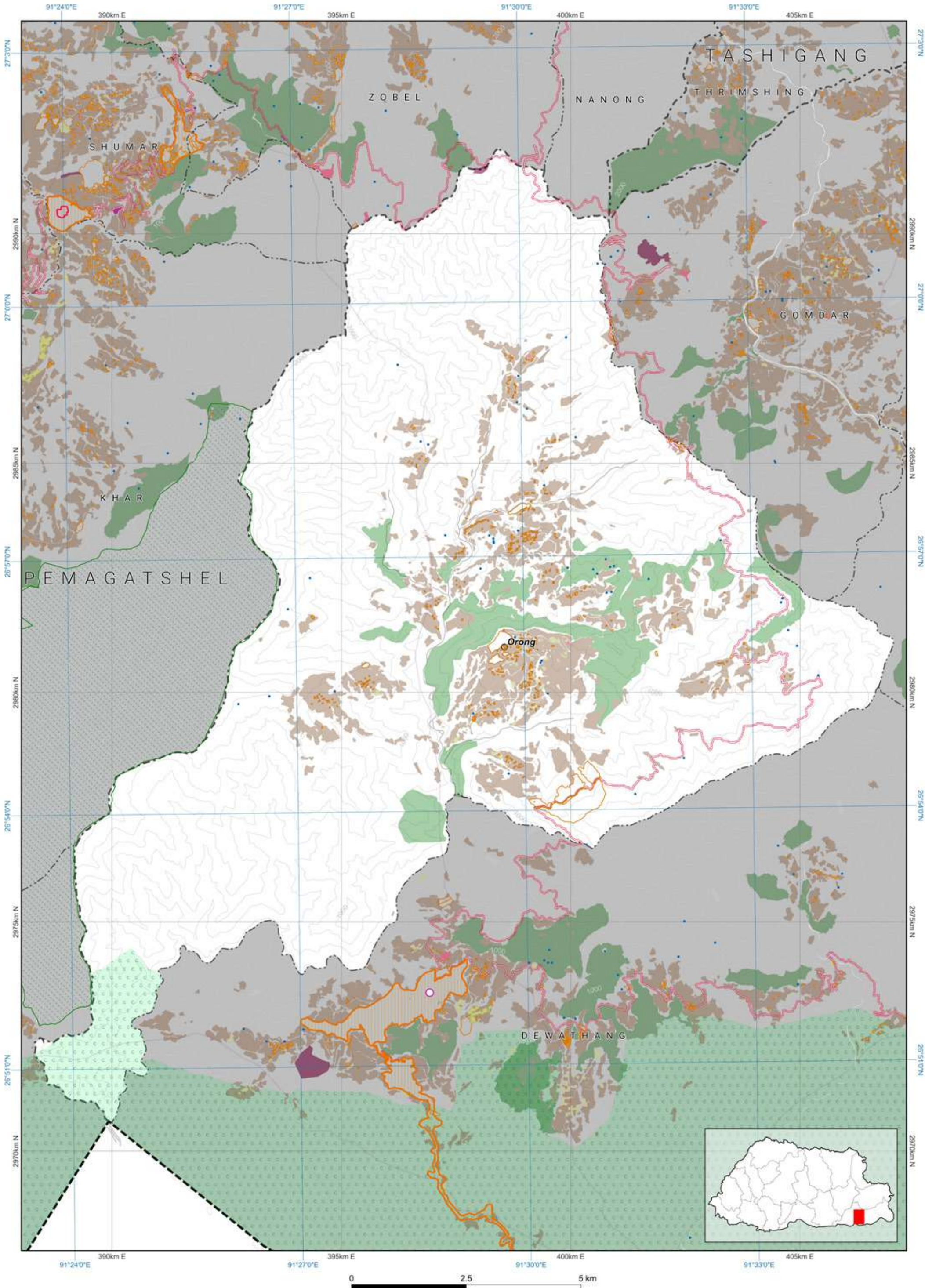
- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
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- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
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  - Ramsar Site
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    - Dzongkhag 25k
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    - Thromde 25k
    - Thromde 5k
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    - Industrial 5k
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Data Ownership

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Department of Water Ministry of Energy and Natural Resources
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Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Orong	1,428	1,387	2,815	103.0	40.0	624
						3.8



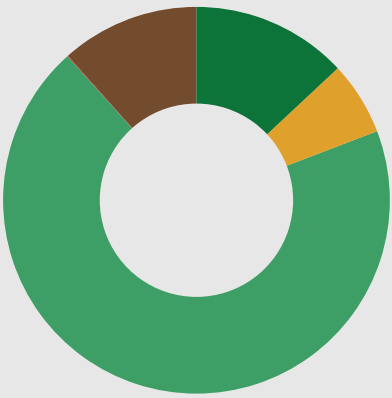
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Zone Area

Gewog	Pemathang
Gewog code	1108
Gewog area	19007.964
Zone	Area
Agriculture	1385.574
Cultural Heritage	6.549
Industrial	0.351
NCA	8283.03
Rangeland	0
Rural Settlement	736.267
SFMA	1561.437
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	3.601	0	0	0	0	0	0
NCA	3.601	0	56.66	0	0	0.25	0	0
Agriculture	0	56.66	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0.25	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0.917	0	5.050	0	0	0	0.115	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	14.436
Flood Hazard	0
Flight Funnel	0
Heritage	0



Pemathang

- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

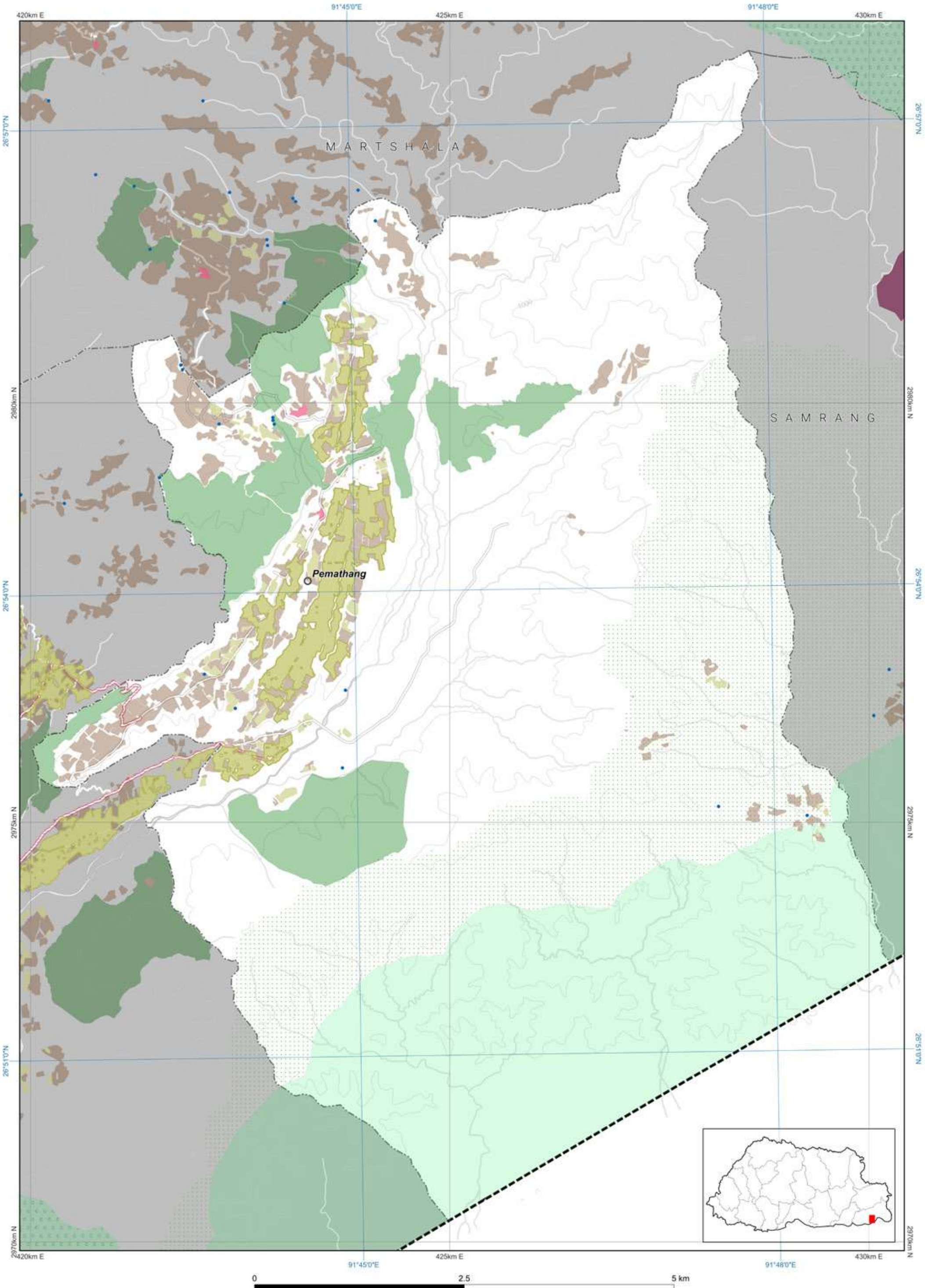
- Agricultural Land
  - Kamzhing
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  - Regulated Chhuzhing
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- Sustainable Forest Management Area
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- Cultural Heritage
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  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
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- Wetland
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    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Pemathang	718	750	1,468	95.7	29.1	380

Data Ownership

Data Owner of the Map Content
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Department of Water Ministry of Energy and Natural Resources
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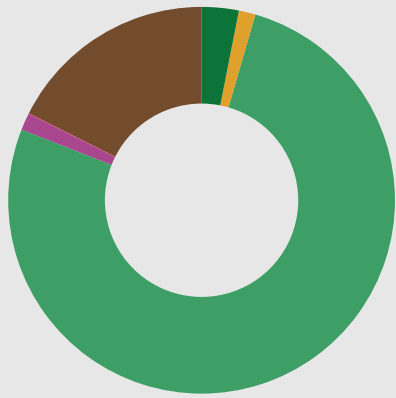
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Zone Area

Gewog		Phuentshothang
Gewog code		1109
Gewog area		32378.347
Zone		Area
Agriculture		3551.516
Cultural Heritage		10.332
Industrial		291.289
NCA		15458.944
Rangeland		0
Rural Settlement		282.048
SFMA		625.005
Urban		0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Map Legend

National Land Use Zoning

- Agricultural Land
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    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	0	0	0	0	0
NCA	0	0	39.43	0	0	0	0	0
Agriculture	0	39.43	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	78.305
Road	228.201
Flood Hazard	0
Flight Funnel	0
Heritage	0



Phuentshothang

- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Phuentshothang	1,557	1,471	3,028	105.8	29.2	701
Samdrupcholing Town	902	811	1,713	111.2	13.6	335

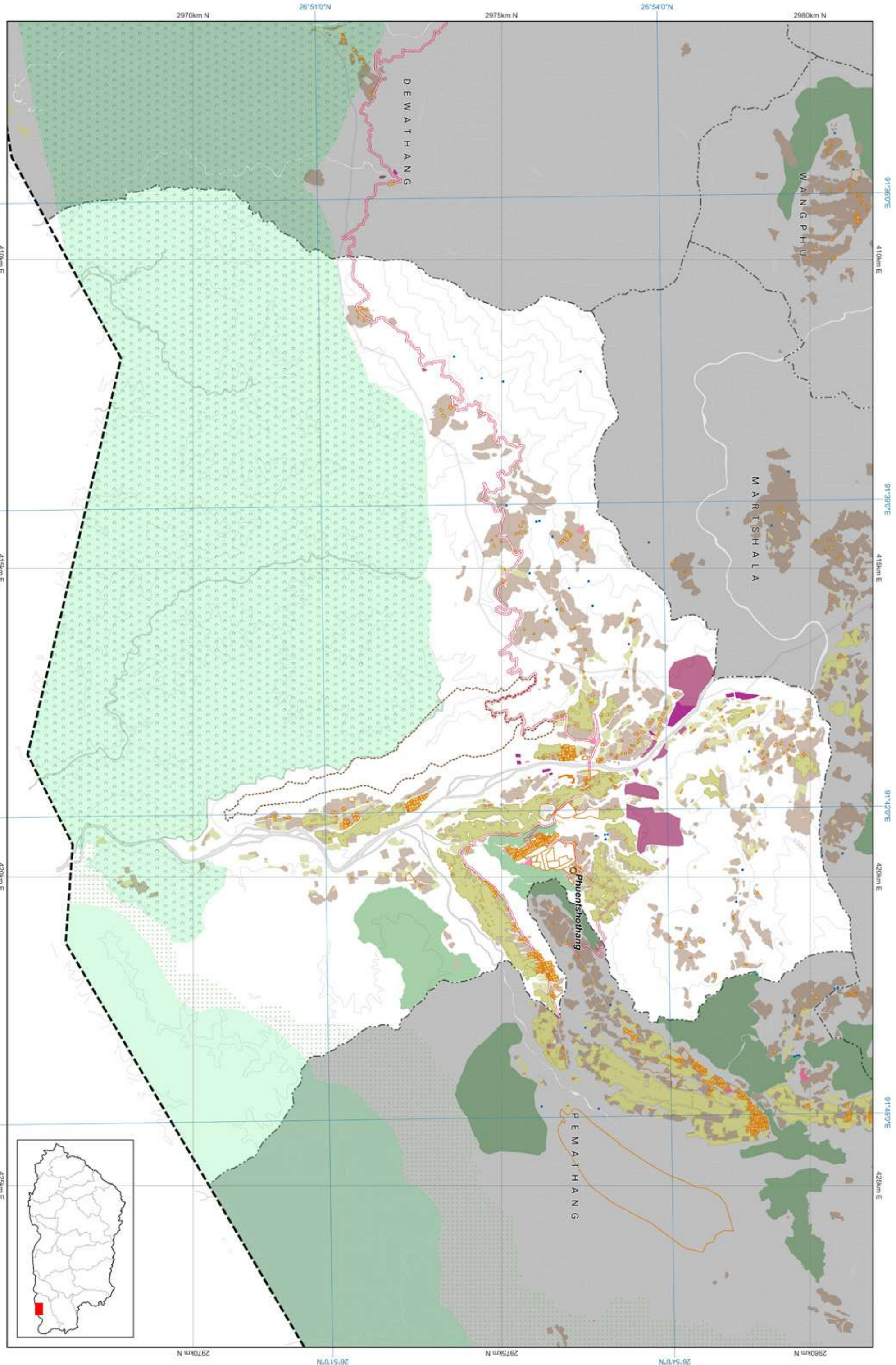
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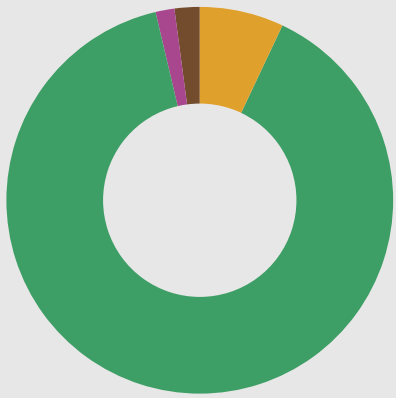




Zone Area

Gewog	Samrang
Gewog code	1110
Gewog area	73076.767

Zone	Area
Agriculture	237.994
Cultural Heritage	0
Industrial	178.938
NCA	10130.178
Rangeland	0
Rural Settlement	797.974
SFMA	0
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	237.80	0	0	0.7	797.32	0
Agriculture	0	237.80	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0.7	0	0	0	0	0	0
Rural Settlement	0	797.32	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	5.024	0	0	0	0.299	0
Road	0	0	19.813	0	0	0.156	4.704	0
Flood Hazard	4.065	0	48.334	2.668	0	0	0.943	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	9.051
Road	67.789
Flood Hazard	106.713
Flight Funnel	0
Heritage	0



Samrang

- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

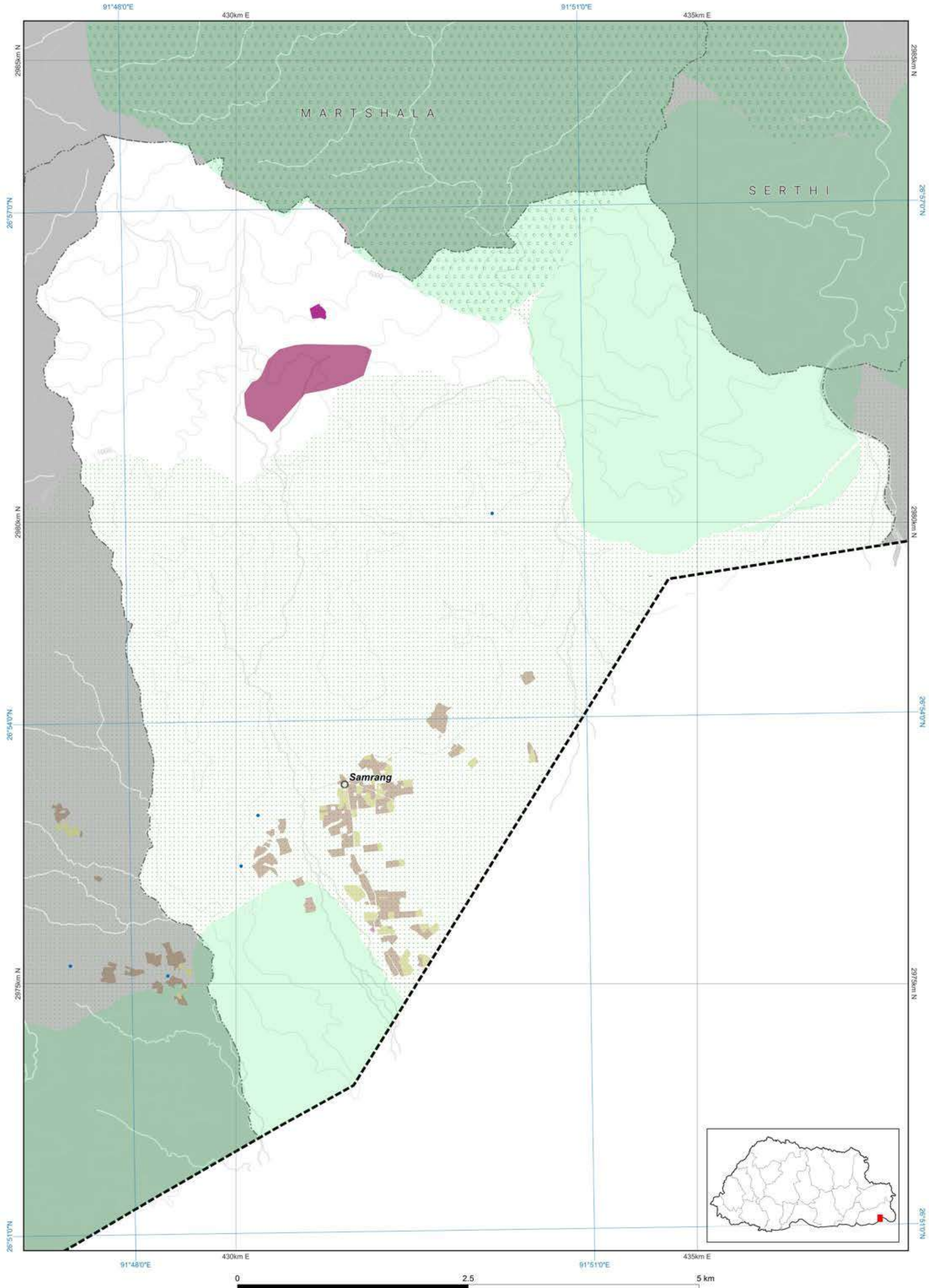
Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour

- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Samdrup Jongkhar: Samrang

National Land Use Zoning 2023



Disclaimer: This map, designed by NLCS, is an essential component of the limited edition of NLUZ Baseline report 2023 and should be used along with the report. More specific information on the data is available from the rightful owner listed on the opposite page.

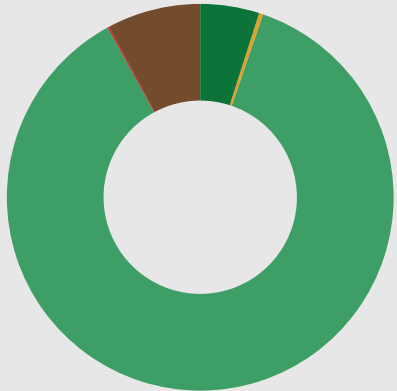
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



### Zone Area

Gewog	Serthi
Gewog code	1111
Gewog area	75794.027

Zone	Area
Agriculture	2690.915
Cultural Heritage	42.598
Industrial	0.1
NCA	29822.769
Rangeland	0
Rural Settlement	118.767
SFMA	1692.322
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

### Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

### RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	16.718	0	0	0	0.37	0
Road	0	0	14.676	0	0	0	0.958	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

### RoW / Buffer Area

Buffer Zone	Area
Transmission Line	27.44
Road	79.773
Flood Hazard	0
Flight Funnel	0
Heritage	0



Serthi

- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

### Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Serthi	1099	991	2,090	110.9	25.6	439	3.2

### Map Legend

#### National Land Use Zoning

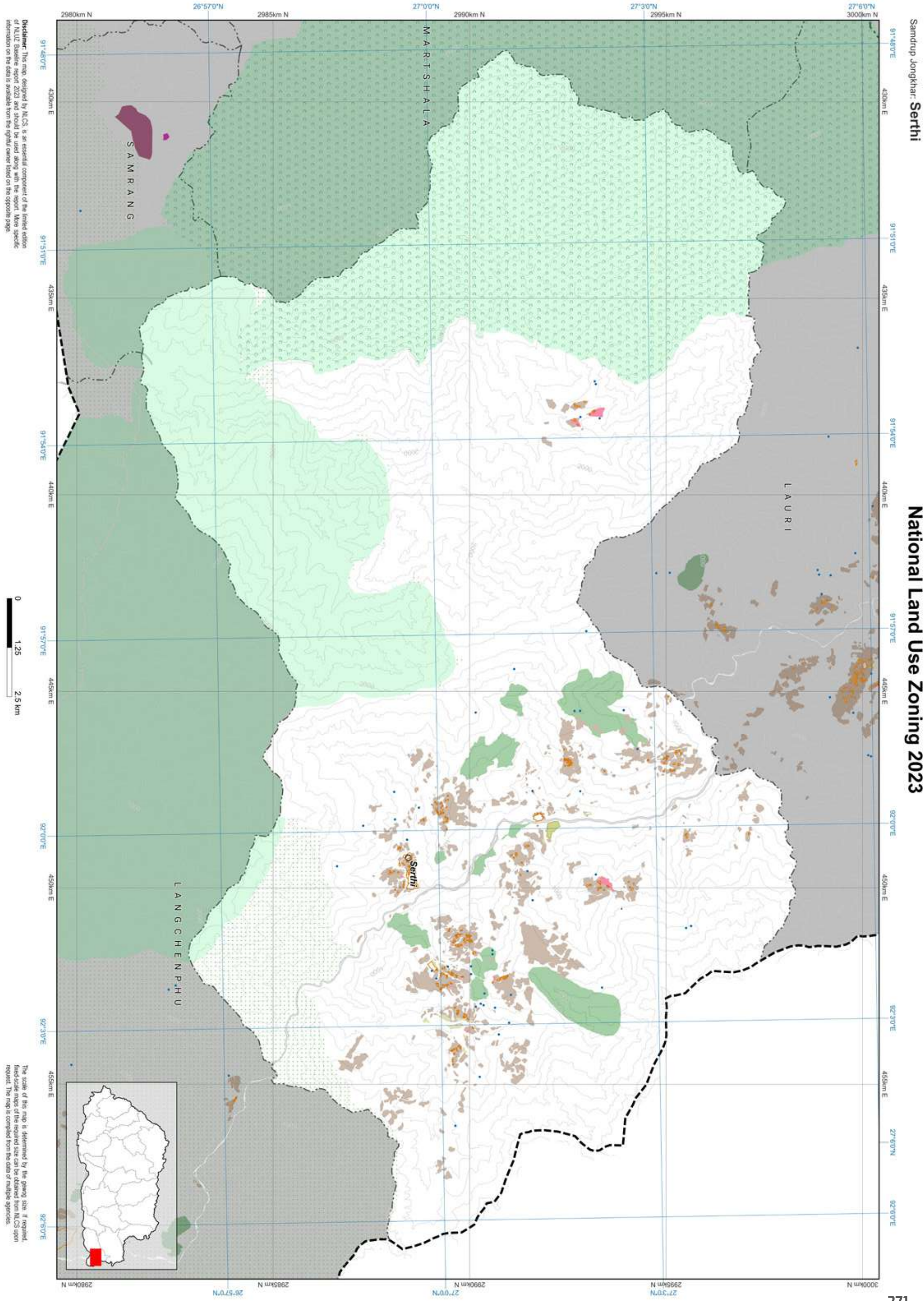
- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake Outburst Flood
    - Right Of Way / Buffer
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  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
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  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

#### Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

### Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat



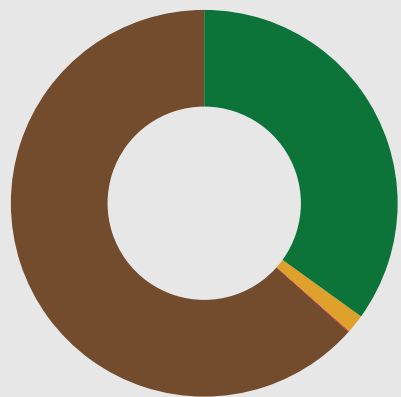




## Zone Area

Gewog	Wangphu
Gewog code	1113
Gewog area	19619.35

Zone	Area
Agriculture	3776.4
Cultural Heritage	3.804
Industrial	0.05
NCA	0
Rangeland	0
Rural Settlement	93.496
SFMA	2081.118
Urban	0



All areas are in Acres.

■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	6.386	0	18.469	0	0	0	0.087	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	50.099
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



Wangphu

■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

## National Land Use Zoning

Agricultural Land  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
Rural Settlement  
Residential Land  
Institutional Land  
Sustainable Forest Management Area  
Forest Management Unit  
Community Forest  
Cultural Heritage  
Religious Sites  
Heritage Village  
Heritage Conservation Zone  
Urban  
Urban Zone

## Nature Conservation Area

Protected Area  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park  
Wetland  
Ramsar Site  
Hazard and Risk  
Rain Induced Flood  
Glacier Lake  
Outburst Flood  
Right Of Way / Buffer  
Heritage  
Road  
Powerlines  
Flight Funnel

## Other Effective Area-based Conservation Measures

Key Biodiversity Area  
High Conservation Value  
Rangeland  
Tsamdro  
Significant Watershed  
Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources  
Industrial  
Manufacturing and Production  
Service  
Existing mines  
Airport  
Helipad  
Hydro Power Plants  
Hydro Power Waterways

## Basemap

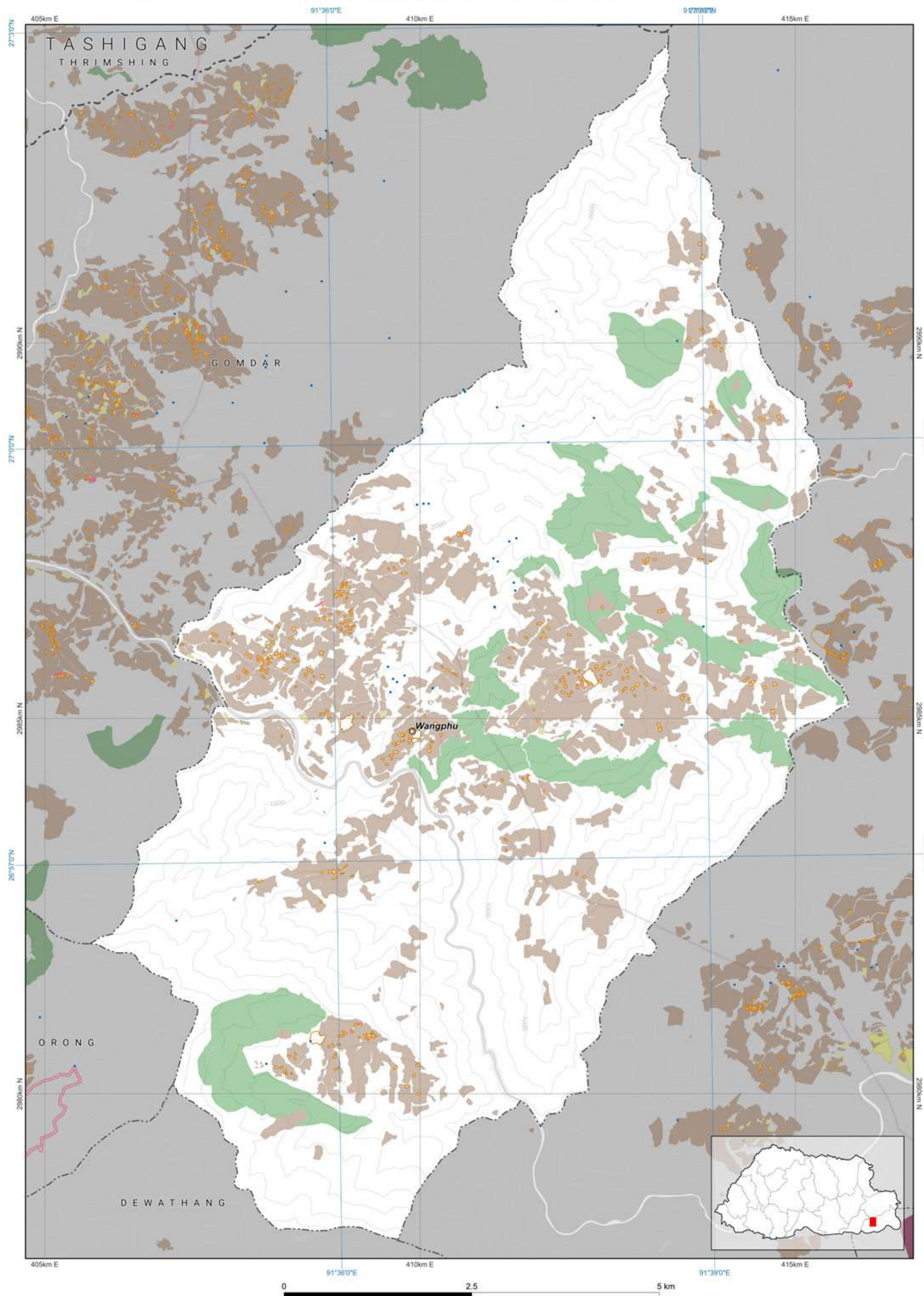
Boundaries  
International  
Dzongkhag  
Gewog  
Rivers  
Main river  
Perennial  
Terrain  
Contour  
Roads for different map scales  
Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

## Data Ownership

Data Owner of the Map Content
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

## Demographic Table

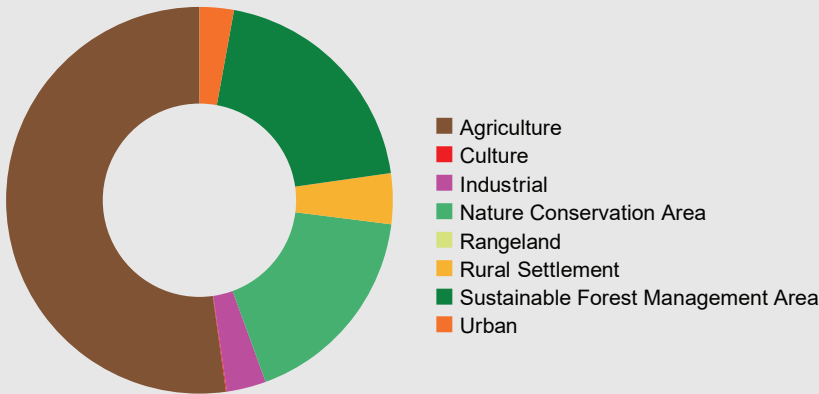
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Wangphu	898	905	1,803	99.2	27.2	428





Zone Area

Dzongkhag	Samtse
Dzongkhag code	12
Dzongkhag area	321746.224
Zone	Area
Agriculture	41189.571
Culture	61.561
Industrial	2599.355
NCA	13764.456
Rangeland	0
Rural Settlement	3348.12
SFMA	15687.626
Urban	2263.515



Zone Conflict

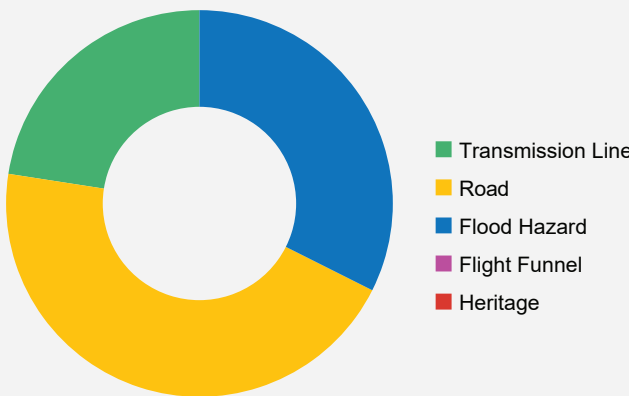
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	70.174	4.74	49.313	0	0	0	0
NCA	70.174	0	224.48	0	0	106.232	3.164	0
Agriculture	4.74	224.48	0.00	23.697	0	101.663	0.001	0
Urban	49.313	0	23.697	0	0.693	214.91	22.653	0
Culture	0	0	0	0.693	0	0	0	0
Industrial	0	106.232	101.663	214.91	0	0	5.923	0
Rural Settlement	0	3.164	0.001	22.653	0	5.923	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	42.878	10.545	172.761	6.408	0	11.504	7.745	0
Road	100.907	4.717	185.643	0	1.781	3.502	24.596	0
Flood Hazard	22.436	0.000	67.913	92.604	0	204.034	1.049	0
Flight Funnel	0	0	0.000	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	643.586
Road	1286.021
Flood Hazard	924.981
Flight Funnel	0
Heritage	0



Demographic Table

Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Samtse	32,022	30,568	62,590	104.8	23.9	14,537

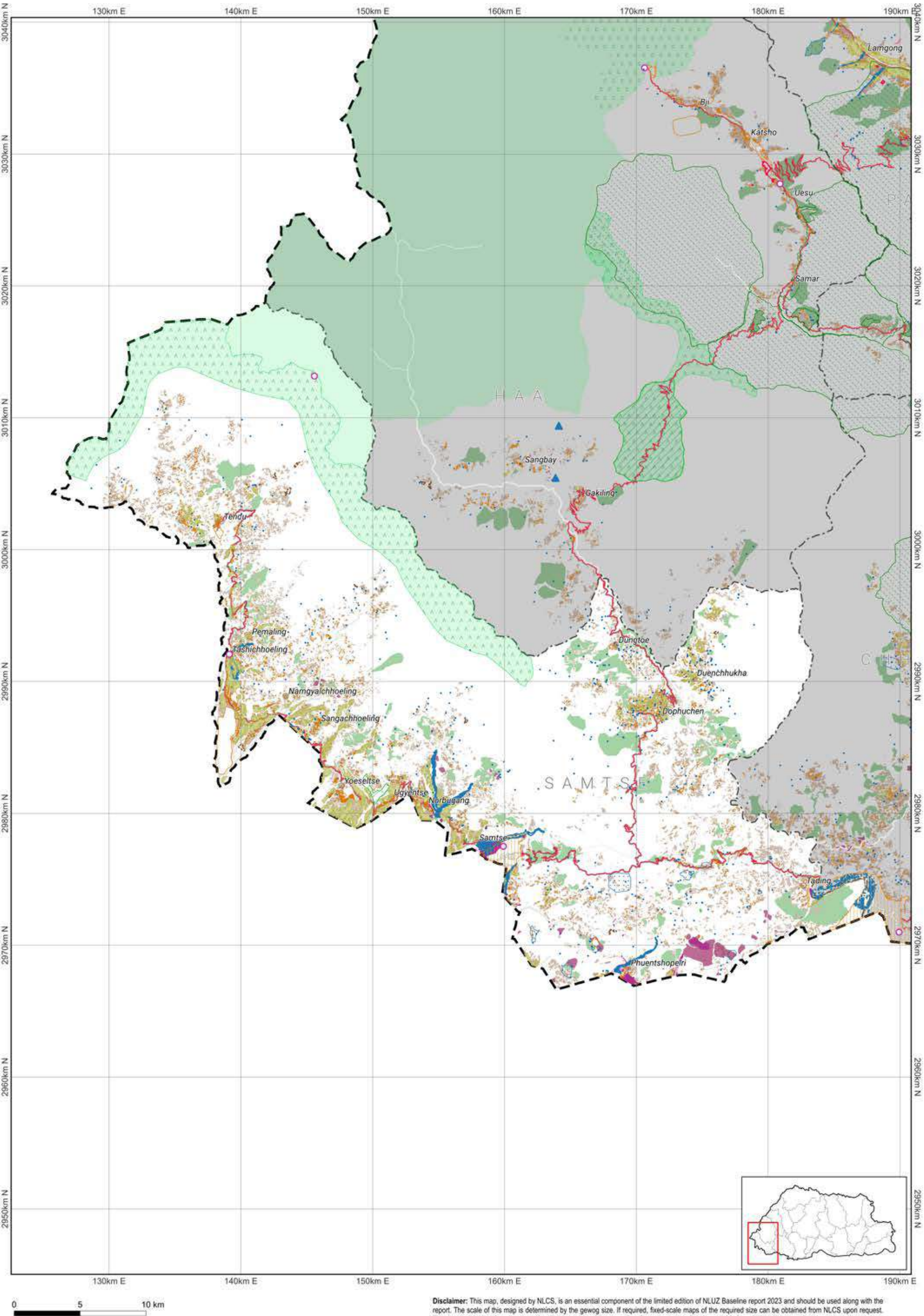
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Samtse

National Land Use Zoning 2023

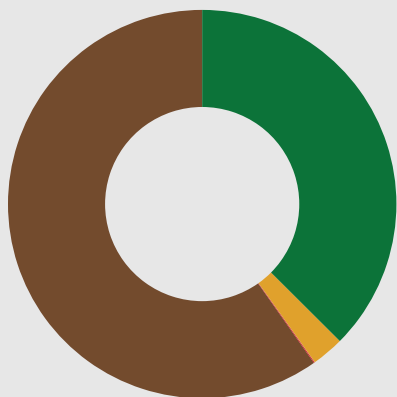


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Zone Area

Gewog		Dophuchen
Gewog code		1206
Gewog area		25591.324
Zone		Area
Agriculture		3886.99
Cultural Heritage		4.768
Industrial		1.37
NCA		0
Rangeland		0
Rural Settlement		174.771
SFMA		2436.654
Urban		0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	6.355	0	39.007	0	0.053	0.115	1.824	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	236.256
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park

- Wetland
  - Ramsar Site

- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer

- Heritage
  - Heritage
  - Road
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  - Flight Funnel

- Other Effective Area-based Conservation Measures
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  - High Conservation Value

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    - Highway 300k
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    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

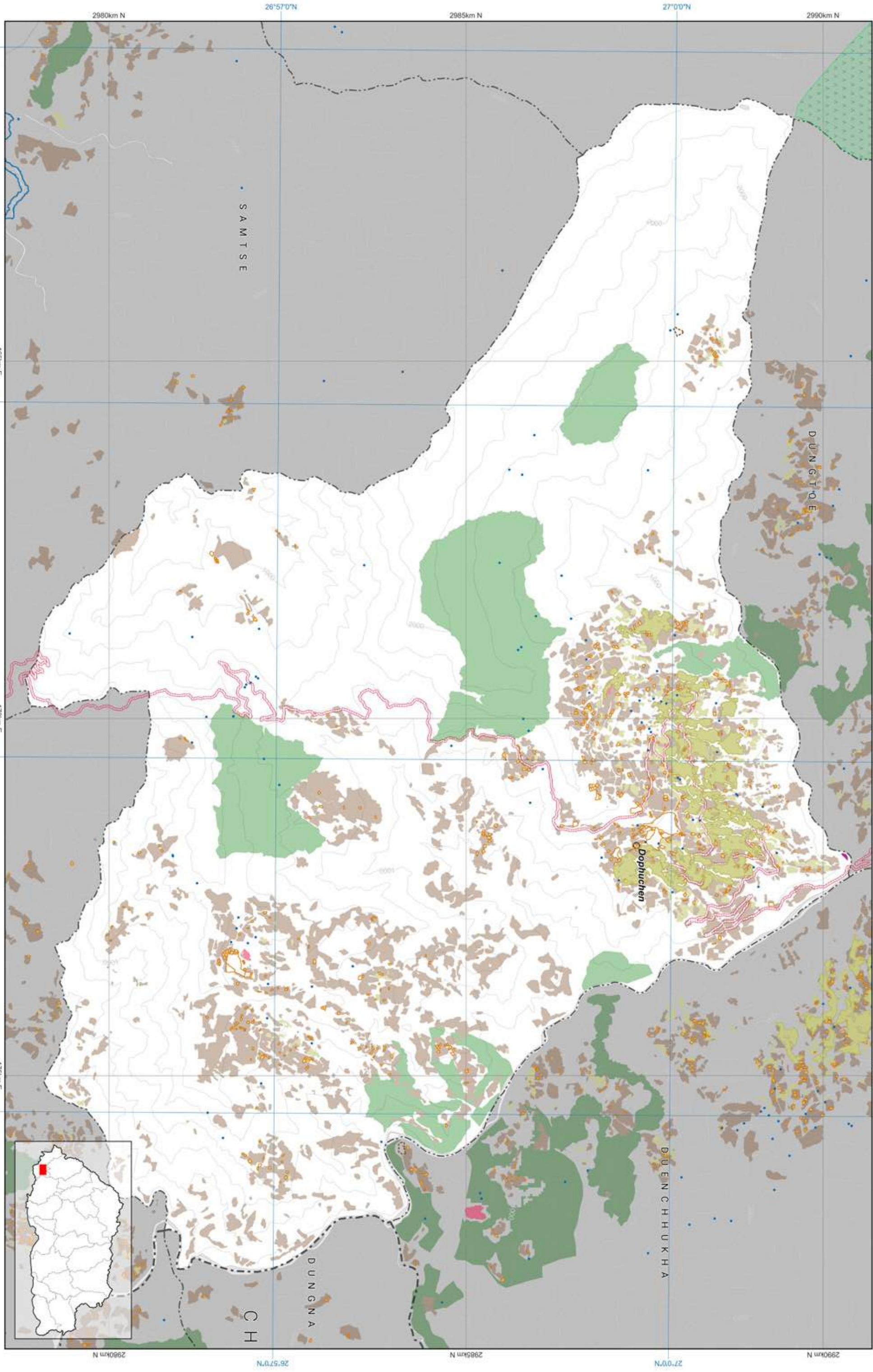
Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Dophuchen	2,708	2,711	5,419	99.9	20.9	1,173.0
						4.0

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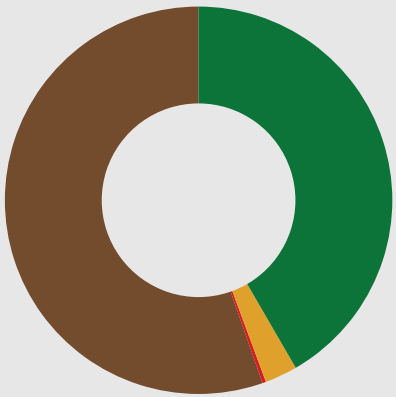




Zone Area

Gewog	Duenchhukha
Gewog code	1205
Gewog area	25690.756

Zone	Area
Agriculture	2090.541
Cultural Heritage	10.952
Industrial	0.1
NCA	0
Rangeland	0
Rural Settlement	102.51
SFMA	1572.192
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

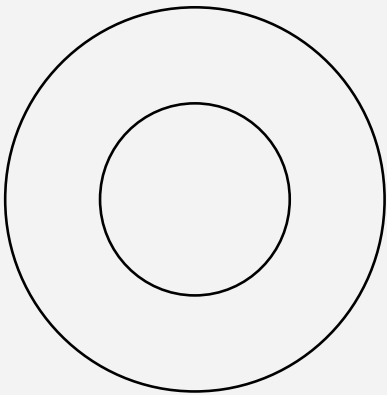
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
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  - Ramsar Site
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  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Duenchhukha	1,176	983	2,159	119.6	25.7	481.0

Data Ownership

Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

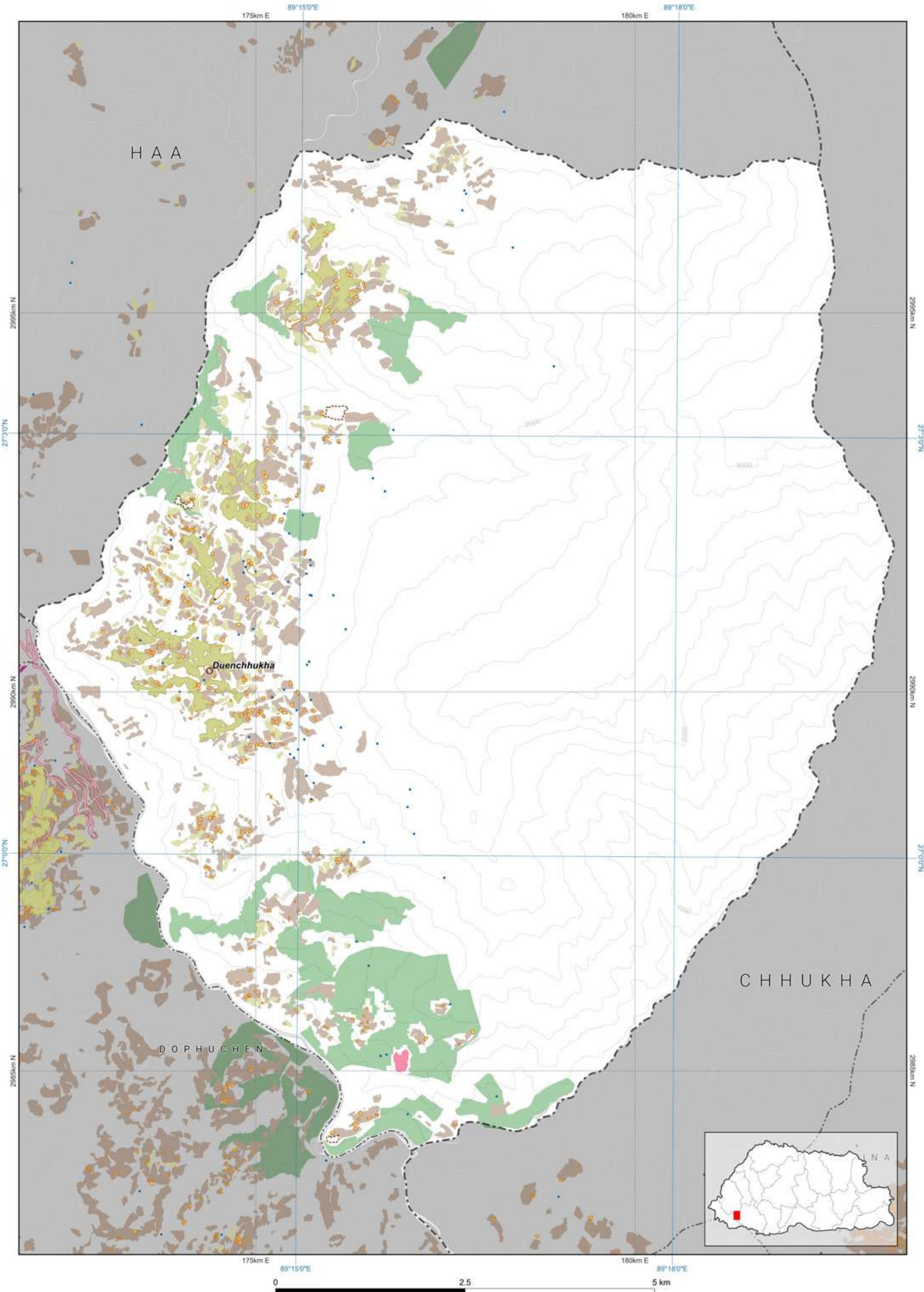
Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

National Land Commission Secretariat

Samtse: Duenchhukha

National Land Use Zoning 2023



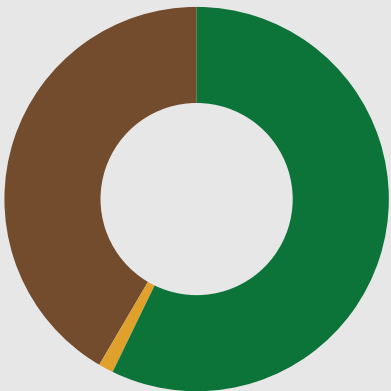
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Zone Area

Gewog		Dungtoe
Gewog code		1207
Gewog area		11829.605
Zone		Area
Agriculture		1404.381
Cultural Heritage		0
Industrial		0.35
NCA		0
Rangeland		0
Rural Settlement		42.343
SFMA		1933.724
Urban		0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0.001	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0.001	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	5.936	0	13.387	0	0	0	0.005	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	112.38
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
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  - Water Sources
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  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
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    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Demographic Table

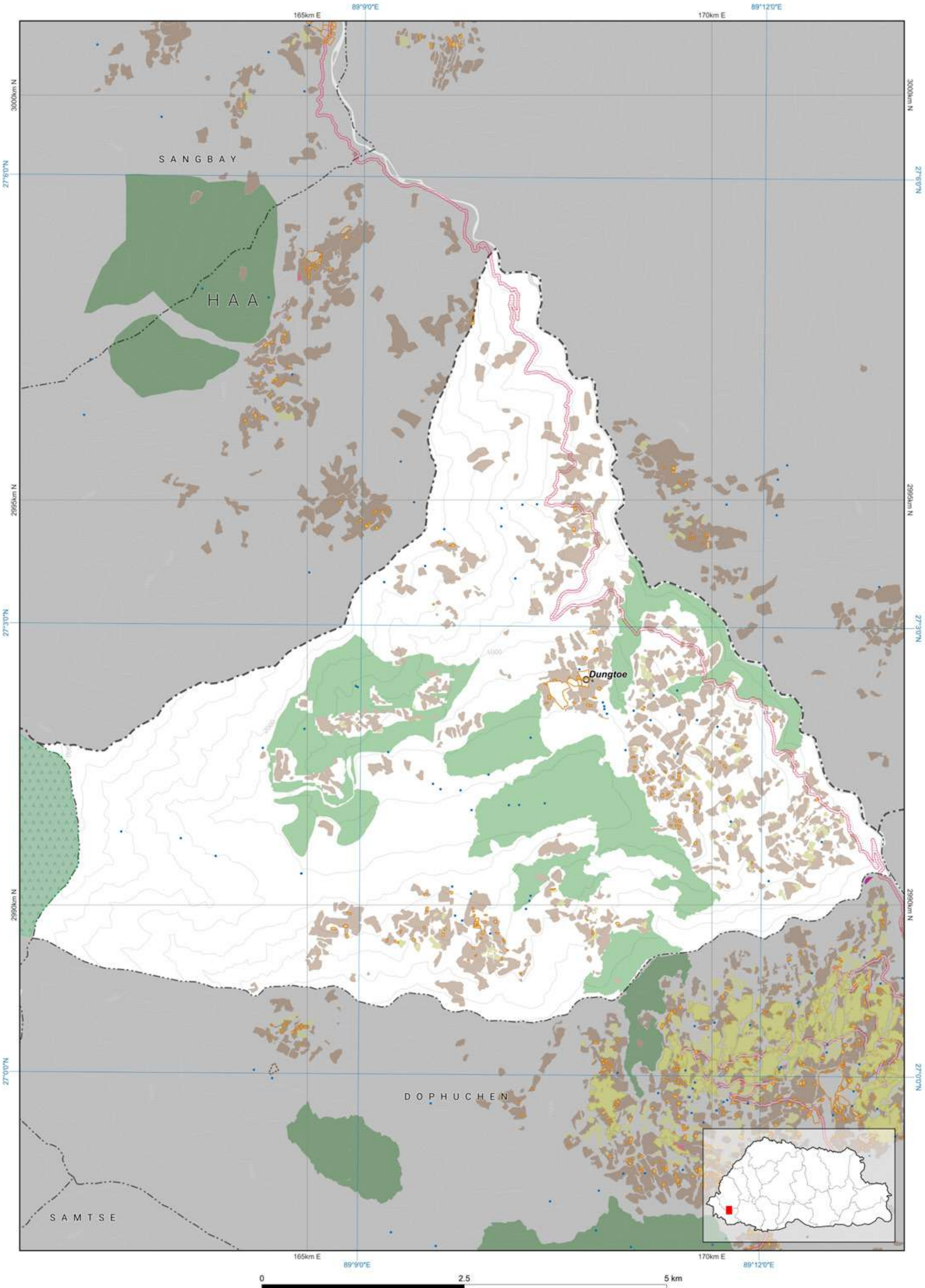
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Dunotoe	756	677	1,433	111.7	24.7	341.0
						Mean Household size
						4.1

Data Ownership

Data Owner of the Map Content
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Samtse: Dungtoe

National Land Use Zoning 2023



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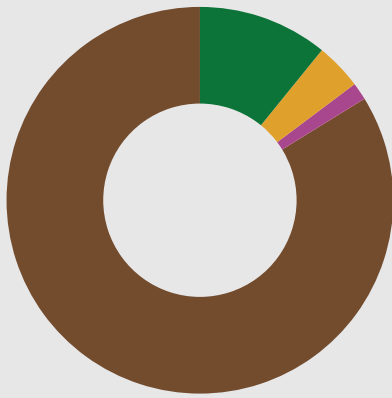
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Zone Area

Gewog	Namgyalchhoeling
Gewog code	1209
Gewog area	31374.199

Zone	Area
Agriculture	2600.646
Cultural Heritage	0.464
Industrial	44.819
NCA	0
Rangeland	0
Rural Settlement	120.796
SFMA	337.015
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	7.675	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	7.675	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland								

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0.115	0
Road	0	0	1.309	0	0	0	0.006	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	15.828
Road	15.157
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

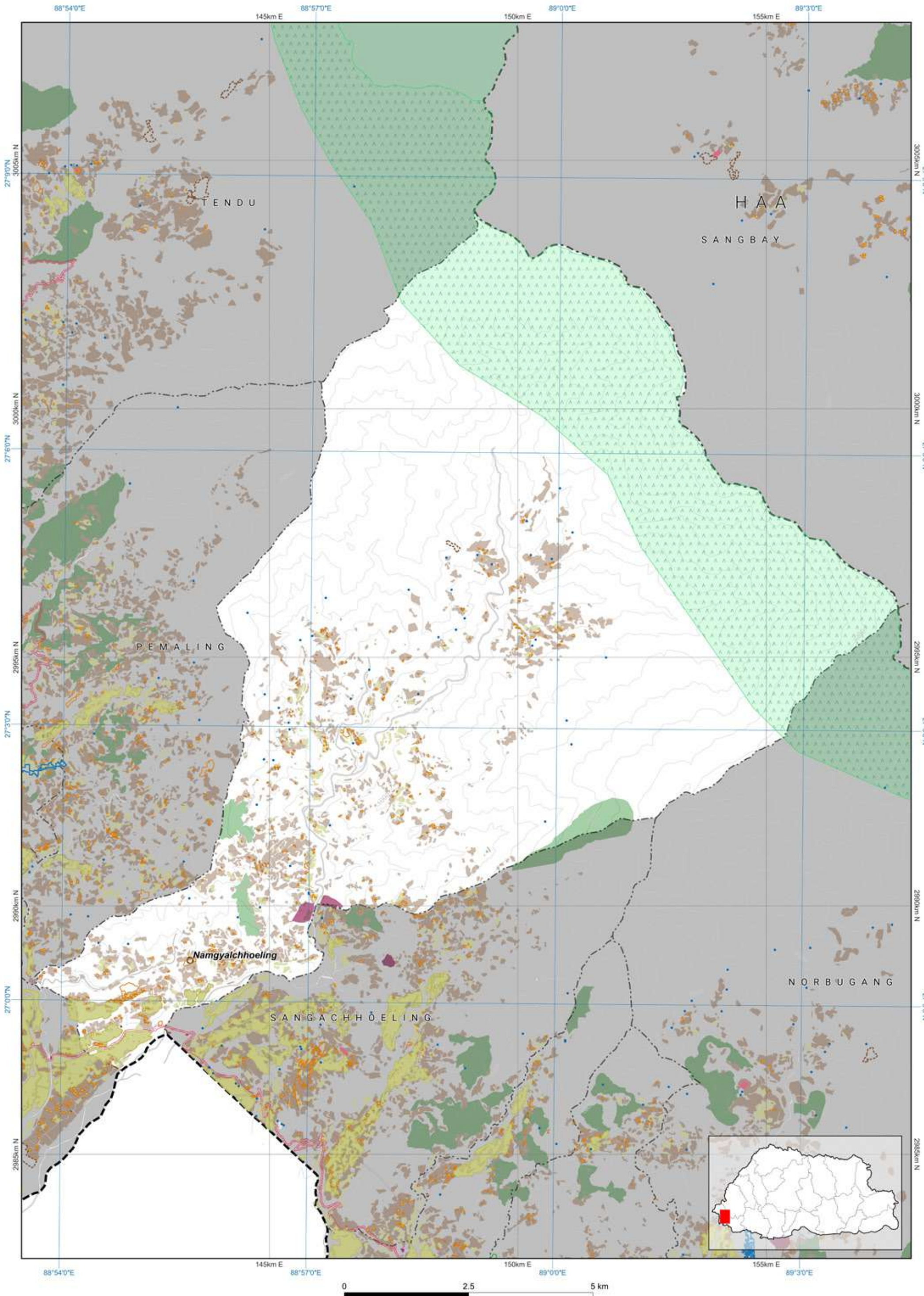
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
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    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Samtse: Namgyalchhoeling

National Land Use Zoning 2023



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Data Ownership

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Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Namgyalchhoeling	1,672	1,469	3,141	113.8	22.8	658.0

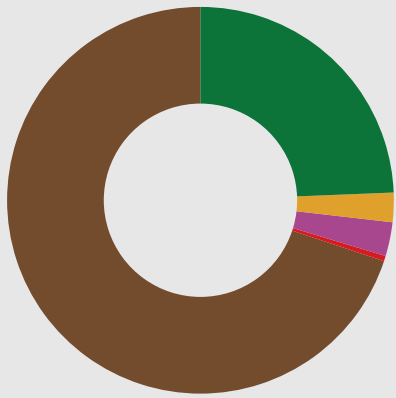
4.6





Zone Area

Gewog	Norbugang
Gewog code	1204
Gewog area	28769.877
Zone	Area
Agriculture	2974.501
Cultural Heritage	18.792
Industrial	120.593
NCA	0
Rangeland	0
Rural Settlement	104.728
SFMA	1036.585
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	4.64	0	0	0	0	0
Agriculture	0	4.64	0	0	0	7.453	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	7.453	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0.561	0	10.260	0	0	0	0.041	0
Road	5.39	0	7.244	0	1.512	0	2.864	0
Flood Hazard	18.371	0	10.013	0	0	0	0.01	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	20.26
Road	51.537
Flood Hazard	269.588
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
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  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
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  - Powerlines
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  - Roads for different map scales
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    - Highway 50k
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    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

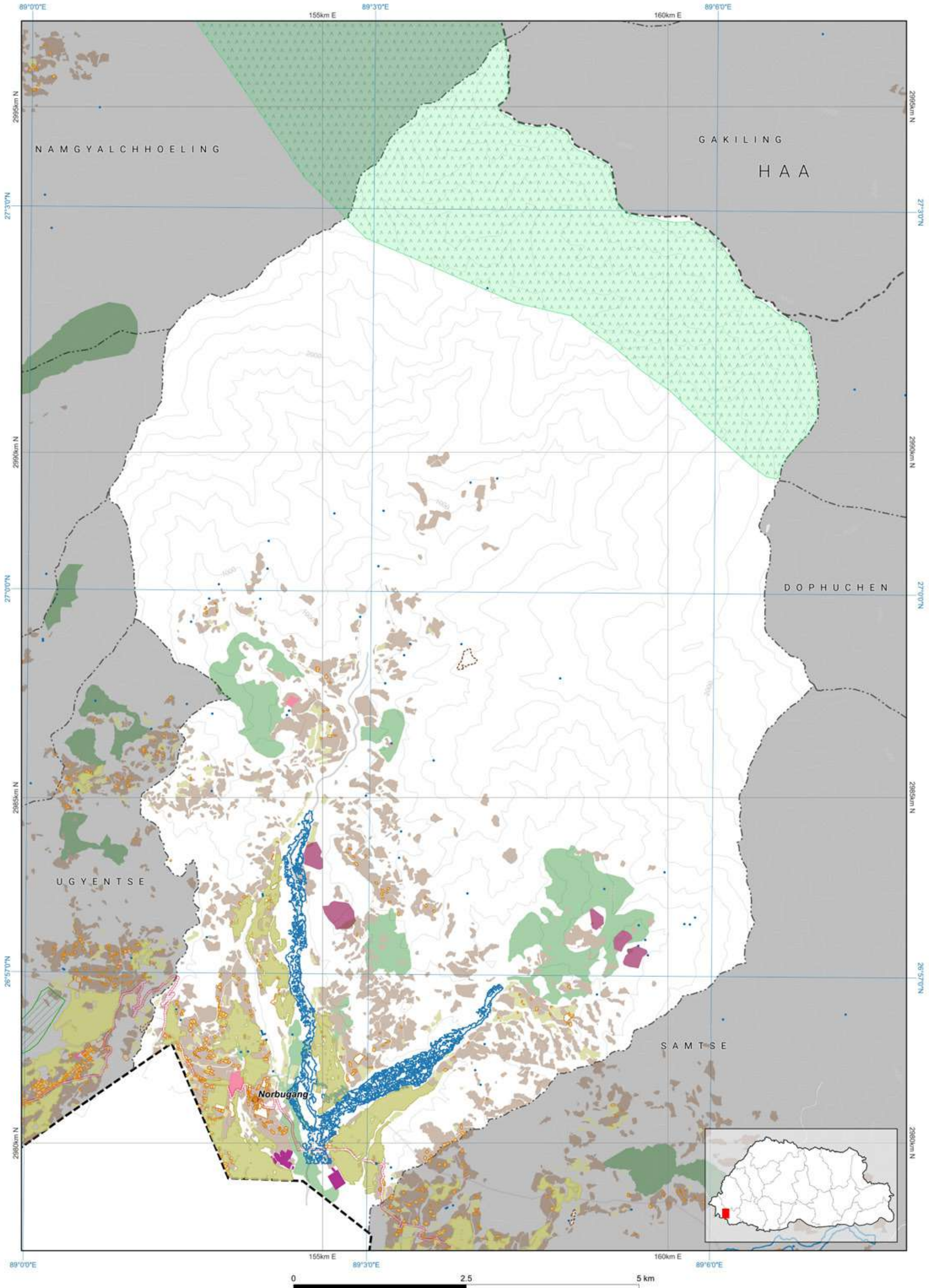
Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
Department of Human Settlement Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSE, PHCS 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Norbugang	2,103	1,972	4,075	106.6	31.6	896.0
						4.5

Samtse: Norbugang

National Land Use Zoning 2023



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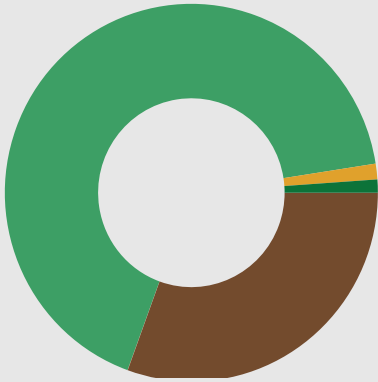
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Zone Area

Gewog	Norgaygang
Gewog code	1201
Gewog area	46355.797

Zone	Area
Agriculture	3256.872
Cultural Heritage	2.141
Industrial	0.05
NCA	7142.122
Rangeland	0
Rural Settlement	143.166
SFMA	119.669
Urban	0



All areas are in Acres.

■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

Zone Conflict

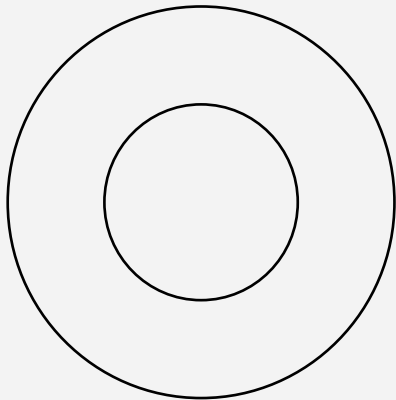
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
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  - Heritage Conservation Zone
- Urban
  - Urban Zone
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  - Protected Area
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    - Buffer Zone
    - Multi Use Zone
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  - Rain Induced Flood
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Basemap

Boundaries

- International
- Dzongkhag
- Gewog

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- Main river
- Perennial

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- Contour

Roads for different map scales

- Highway 300k
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Demographic Table

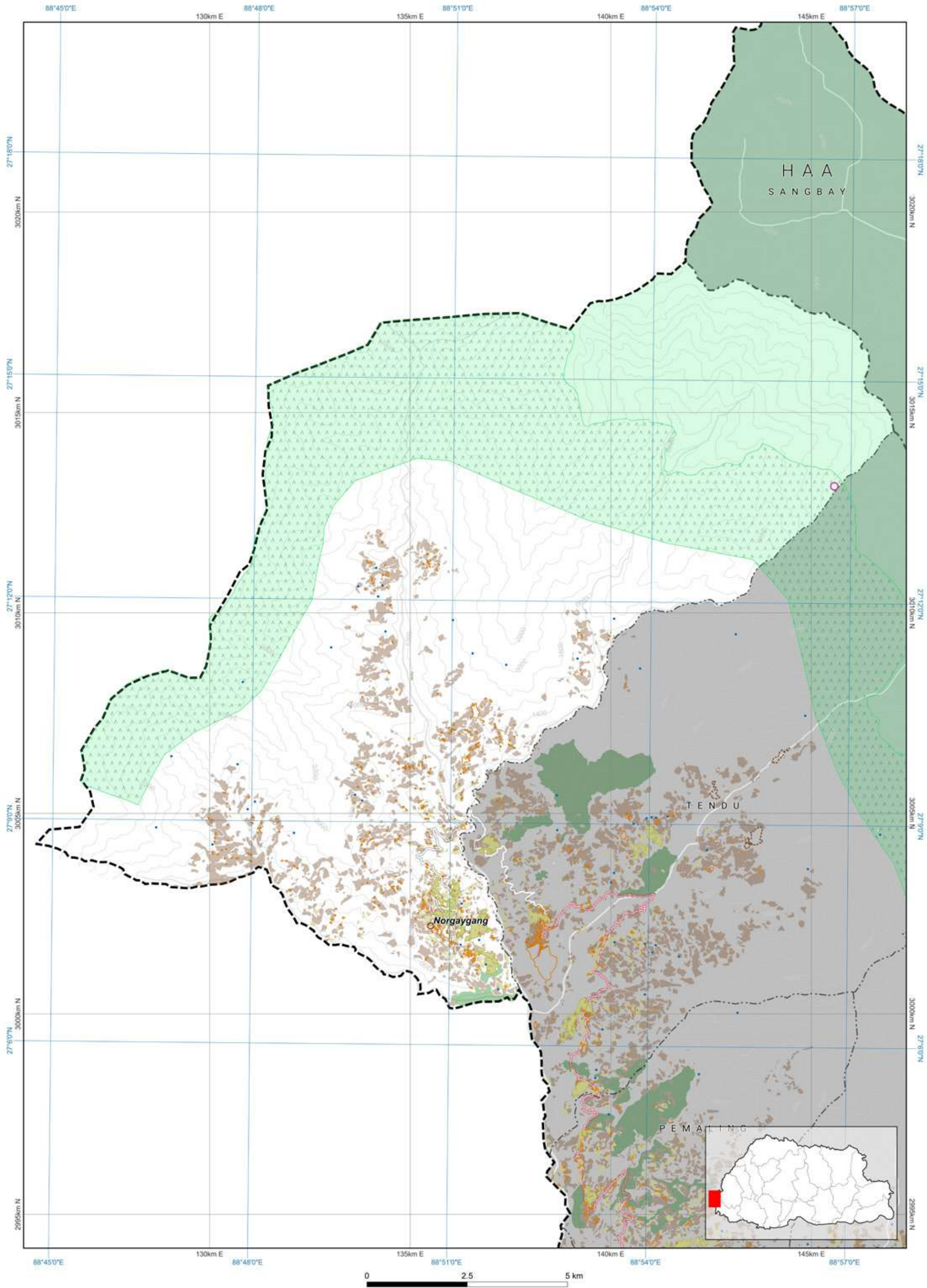
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Norgaygang	1,940	1,803	3,743	107.6	27.8	847.0

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Air Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Samtse: Norgaygang

National Land Use Zoning 2023



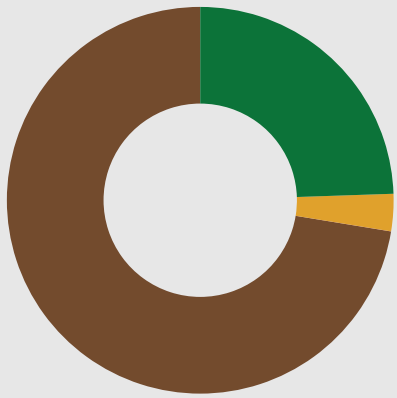
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Zone Area

Gewog	Pemaling
Gewog code	1202
Gewog area	12610.304
Zone	Area
Agriculture	2818.101
Cultural Heritage	0.342
Industrial	0.15
NCA	0
Rangeland	0
Rural Settlement	121.163
SFMA	951.906
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

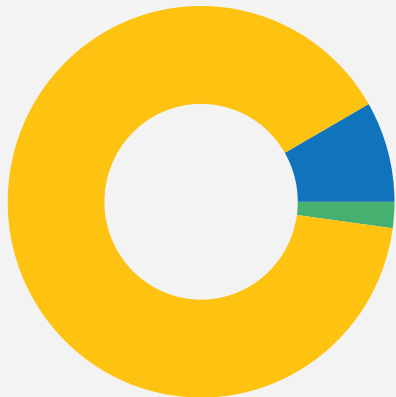
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0.519	0	0	0	0	0
Road	10.104	0	11.897	0	0	0	11.897	0
Flood Hazard	0	0	1.547	0	0	0	0.013	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	1.754
Road	72.656
Flood Hazard	6.739
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

■ Agricultural Land  
■ Kamzhing  
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■ Sustainable Forest Management Area  
■ Forest Management Unit  
■ Community Forest

Cultural Heritage

■ Religious Sites  
■ Heritage Village  
■ Heritage Conservation Zone

Urban

■ Urban Zone

Nature Conservation Area

Protected Area

■ Core Zone  
■ Transition Zone  
■ Buffer Zone  
■ Multi Use Zone  
■ Biological Corridor / Botanical Park

Wetland

■ Ramsar Site

Hazard and Risk

■ Rain Induced Flood  
■ Glacier Lake  
■ Outburst Flood  
■ Right Of Way / Buffer

■ Heritage  
■ Road  
■ Powerlines  
■ Flight Funnel

Other Effective Area-based Conservation Measures

■ Key Biodiversity Area  
■ High Conservation Value

■ Rangeland  
■ Tsamdro

Significant Watershed

■ Potential Recharge Area  
■ Payment for Ecosystem Services  
■ Water Sources

Industrial

■ Manufacturing and Production  
■ Service  
■ Existing mines  
■ Airport  
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■ Hydro Power Plants  
■ Hydro Power Waterways

Basemap

Boundaries

■ International  
■ Dzongkhag  
■ Gewog

Rivers

■ Main river  
■ Perennial

Terrain

■ Contour

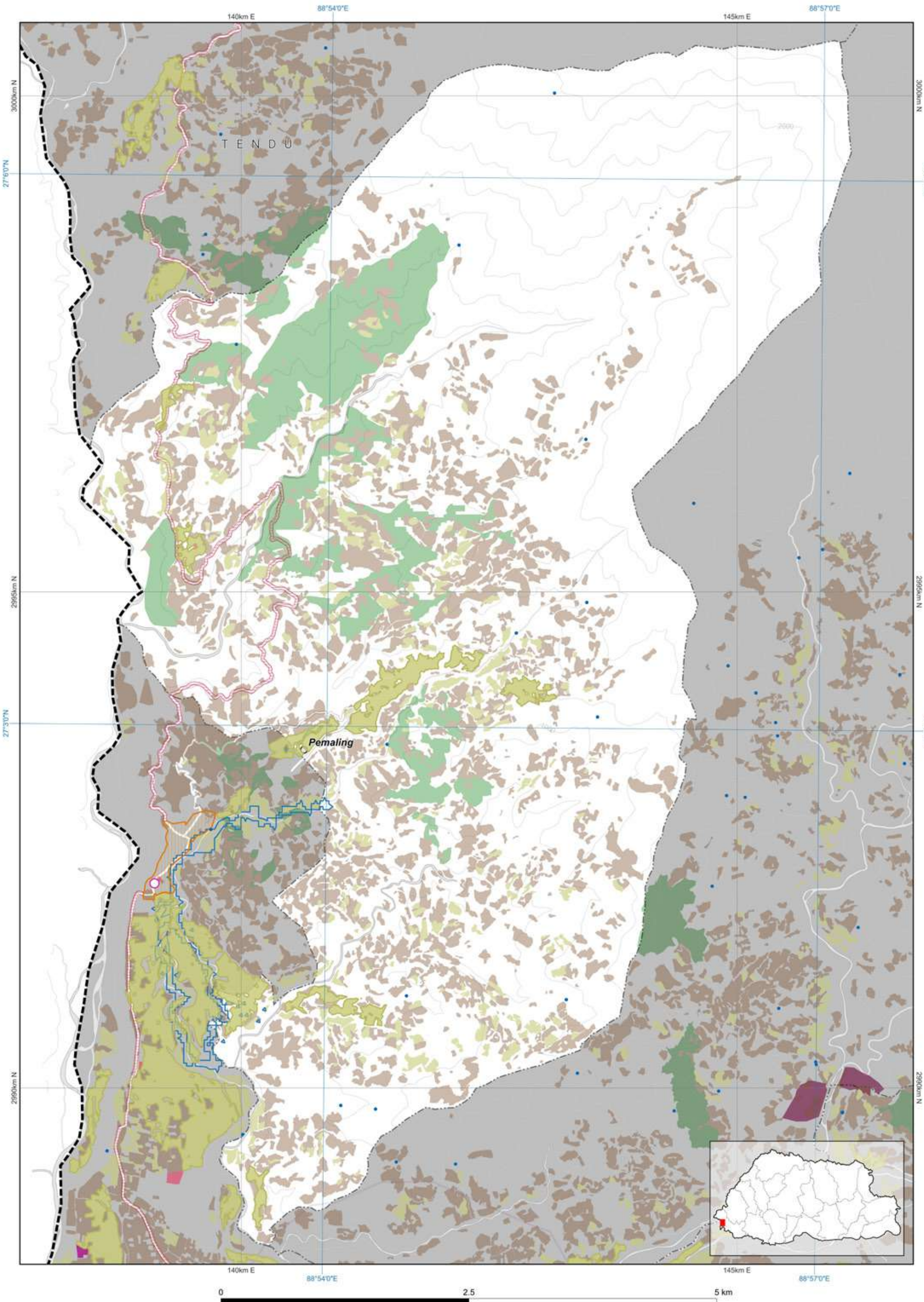
Roads for different map scales

■ Highway 300k  
■ Highway 50k  
■ Highway 25k  
■ Highway 5k  
■ Dzongkhag 50k  
■ Dzongkhag 25k  
■ Dzongkhag 5k

■ Thromde 50k  
■ Thromde 25k  
■ Thromde 5k  
■ Access 5k  
■ Industrial 5k  
■ Farm 5k

Samtse: Pemaling

National Land Use Zoning 2023



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Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

Department of Human Settlement  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

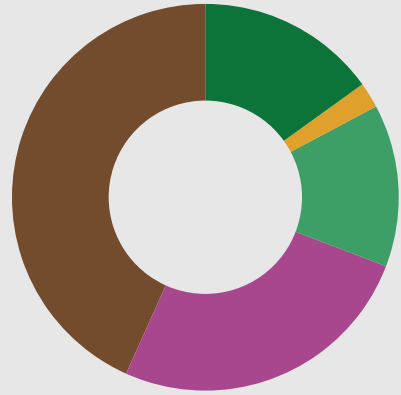
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Pemaling	1,692	1,570	3,262	107.8	36.6	724.0





## Zone Area

Gewog	Phuentshopelri
Gewog code	1212
Gewog area	25357.946
Zone	Area
Agriculture	2870.729
Cultural Heritage	0.535
Industrial	1718.442
NCA	901.3
Rangeland	0
Rural Settlement	142.554
SFMA	999.82
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	57.503	0	0	0	0	0	0
NCA	57.503	0	154.53	0	0	0	1.658	0
Agriculture	0	154.53	0	0	0	77.856	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	77.856	0	0	0	5.923	0
Rural Settlement	0	1.658	0	0	0	5.923	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	6.664	2.58	15.896	0	0	7.286	2.401	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	29.28	0.082	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	102.808
Road	0
Flood Hazard	86.659
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

Rural Settlement

- Residential Land
- Institutional Land

Sustainable Forest Management Area

- Forest Management Unit
- Community Forest

Cultural Heritage

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

Urban

- Urban Zone

### Nature Conservation Area

Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

Wetland

- Ramsar Site

### Hazard and Risk

Rain Induced Flood

Glacier Lake Outburst Flood

Right Of Way / Buffer

- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

Key Biodiversity Area

High Conservation Value

Rangeland

Tsamdro

### Significant Watershed

Potential Recharge Area

Payment for Ecosystem Services

Water Sources

### Industrial

Manufacturing and Production

Service

Existing mines

Airport

Helipad

Hydro Power Plants

Hydro Power Waterways

### Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

### Roads for different map scales

Highway 300k

Highway 50k

Highway 25k

Highway 5k

Dzongkhag 50k

Dzongkhag 25k

Dzongkhag 5k

Thromde 50k

Thromde 25k

Thromde 5k

Access 5k

Industrial 5k

Farm 5k

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Ministry of Energy and Natural Resources

Department of Water

Ministry of Energy and Natural Resources

Department of Human Settlement

Ministry of Infrastructure and Transport

National Land Commission Secretariat

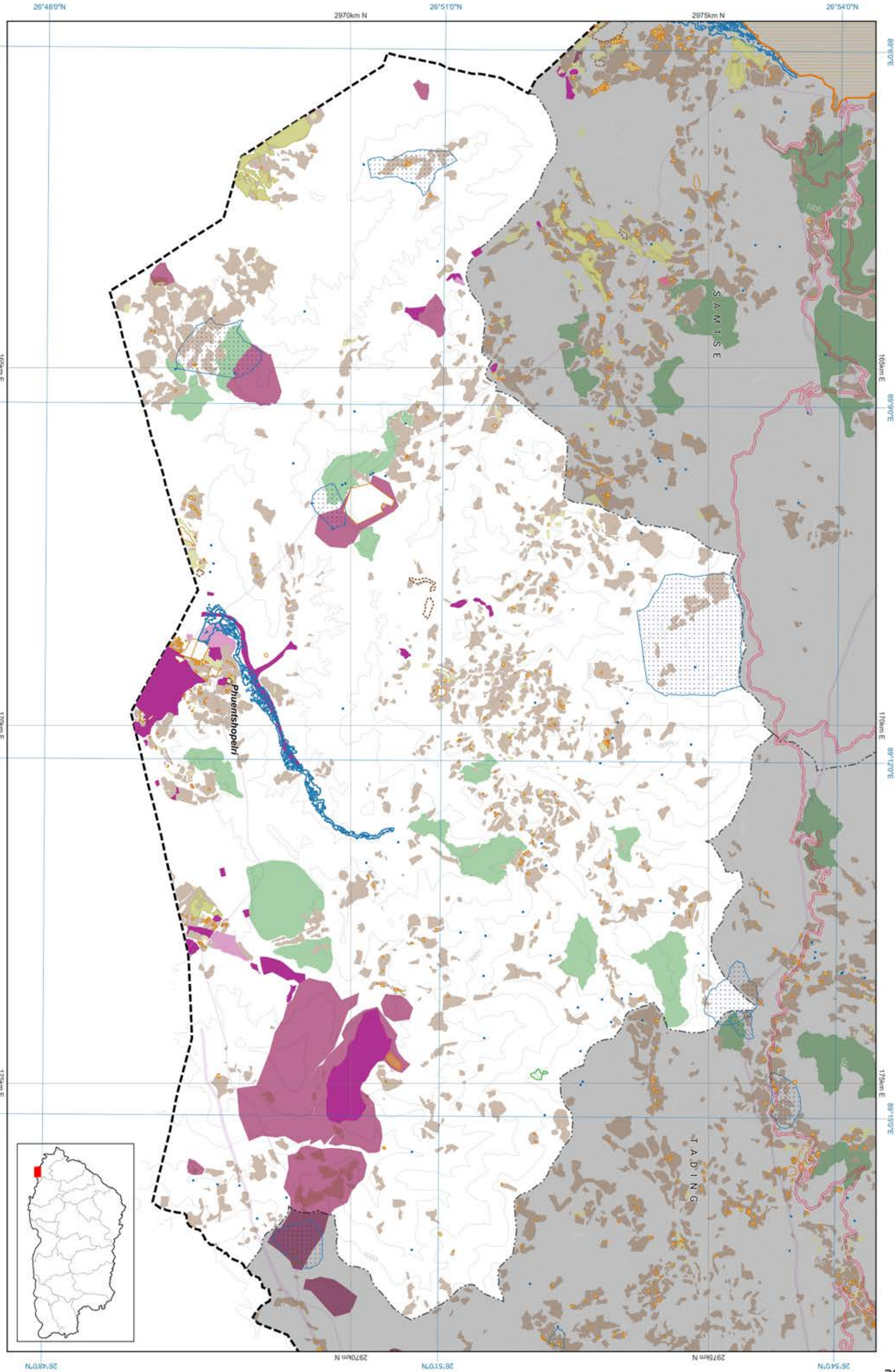
## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Phuentshopelri	2,096	1,978	4,074	106.0	22.7	4.0
Gomtu Town	1,847	1,814	3,661	101.8	10.4	3.5

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0 1.25 2.5 km

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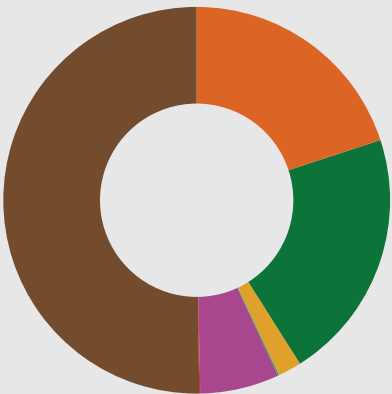
Samtse: Phuentshopelri

National Land Use Zoning 2023



Zone Area

Gewog	Samtse
Gewog code	1213
Gewog area	28710.113
Zone	Area
Agriculture	3018.576
Cultural Heritage	4.761
Industrial	398.078
NCA	7.034
Rangeland	0
Rural Settlement	117.134
SFMA	1266.286
Urban	1200.088



All areas are in Acres.

■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0.10	0	0	0	0	0
Agriculture	0	0.10	0	18.128	0	0	0	0
Urban	0	0	18.128	0	0	194.32	0.234	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	194.32	0	0	0	0
Rural Settlement	0	0	0	0.234	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	17.852	0	21.946	5.255	0	0	0.258	0
Road	50.513	0.022	13.248	0	0.043	3.227	0.492	0
Flood Hazard	0	0	8.020	89.935	0	174.754	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	161.239
Road	251.883
Flood Hazard	455.281
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Samtse	1,819	1,787	3,606	101.8	31.9	846.0
Samtse Town	2,656	2,740	5,396	96.9	11.8	1,227.0

Map Legend

National Land Use Zoning

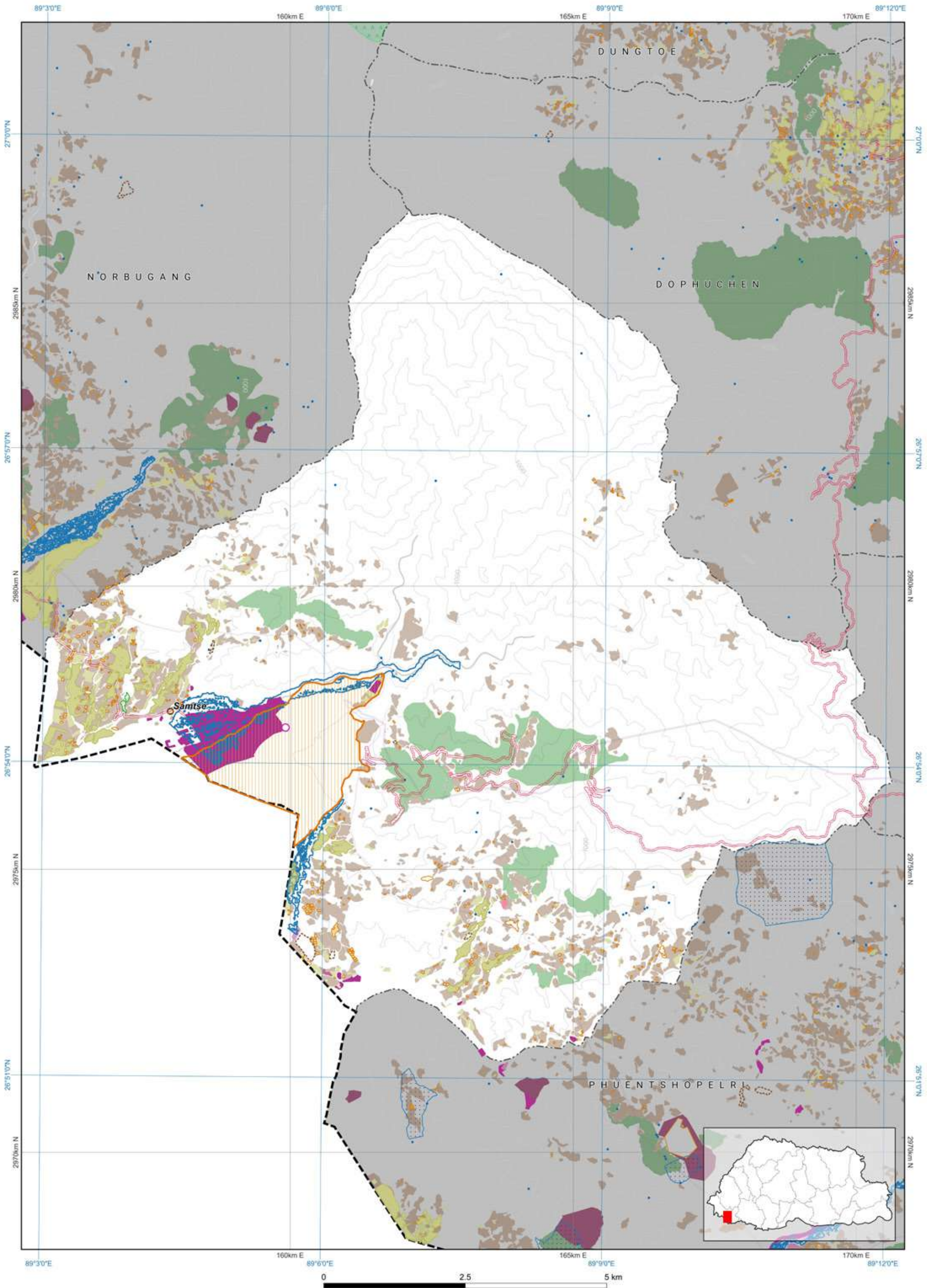
- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

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Department of Water Ministry of Energy and Natural Resources
Department of Air Transport Ministry of Infrastructure and Transport
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
Department of Industry Ministry of Industry, Commerce and Employment
National Land Commission Secretariat

Samtse: Samtse

National Land Use Zoning 2023



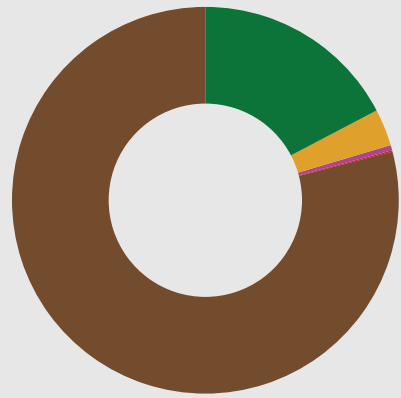
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## Zone Area

Gewog		Sangachhoeling
Gewog code		1203
Gewog area		9521.505
Zone		Area
Agriculture		2841.994
Cultural Heritage		4.029
Industrial		15.831
NCA		0
Rangeland		0
Rural Settlement		110.874
SFMA		622.45
Urban		0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	0	0	0	0	0
NCA	0	0		0	0	0	0	0
Agriculture	0		0	0	0	2.482	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	2.482	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	16.718	0	0	0	0.37	0
Road	0	0	14.676	0	0	0	0.958	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	27.44
Road	79.773
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

### Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

- Rangeland
  - Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

#### Boundaries

- International
- Dzongkhag
- Gewog

#### Rivers

- Main river
- Perennial

#### Terrain

- Contour

#### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Data Ownership

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Ministry of Energy and Natural Resources

Department of Geology and Mines  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

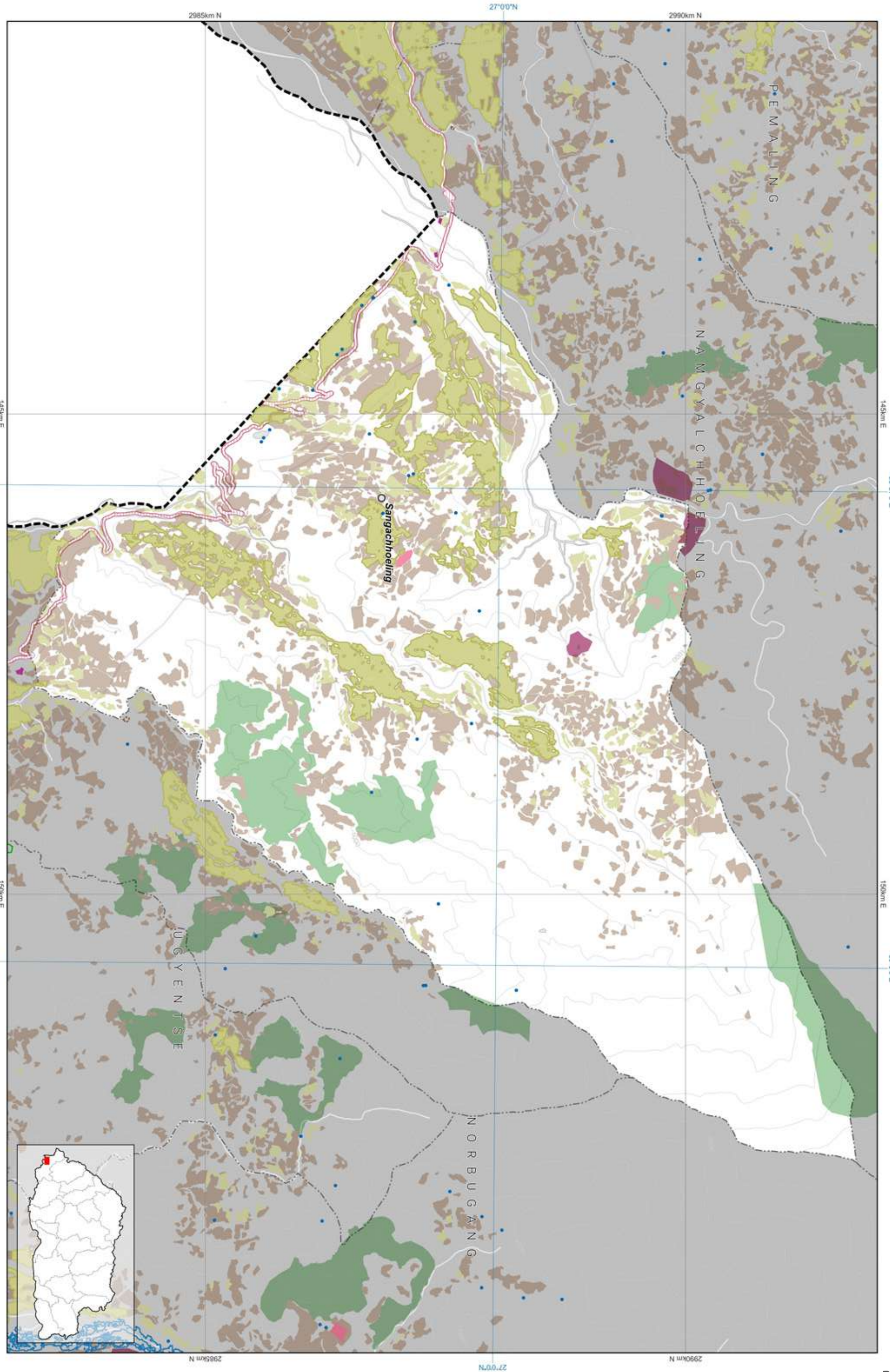
## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Sangachhoeling	1,579	1,482	3,061	106.5	43.7	722.0	4.1

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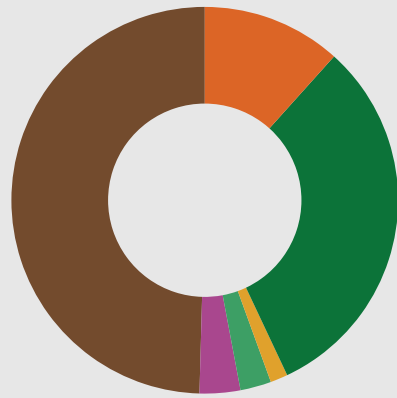




## Zone Area

Gewog	Tading
Gewog code	1215
Gewog area	26704.356

Zone	Area
Agriculture	4295.957
Cultural Heritage	0
Industrial	294.973
NCA	224.16
Rangeland	0
Rural Settlement	126.734
SFMA	2716.001
Urban	1010.351



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	12.659	2.71	49.308	0	0	0	0
NCA	12.659	0	61.07	0	0	64.663	1.506	0
Agriculture	2.71	61.07	0	0.002	0	6.167	0	0
Urban	49.308	0	0.002	0	0	20.548	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	64.663	6.167	20.548	0	0	0	0
Rural Settlement	0	1.506	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	17.802	7.171	85.739	1.153	0	4.218	3.732	0
Road	15.265	4.696	33.580	0	0	0.004	3.539	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	282.572
Road	209.098
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
Rural Settlement  
Residential Land  
Institutional Land  
Sustainable Forest Management Area  
Forest Management Unit  
Community Forest

Cultural Heritage  
Religious Sites  
Heritage Village  
Heritage Conservation Zone

Urban  
Urban Zone

### Nature Conservation Area

Protected Area  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park

Wetland  
Ramsar Site

### Hazard and Risk

Rain Induced Flood  
Glacier Lake  
Outburst Flood  
Right Of Way / Buffer  
Heritage  
Road  
Powerlines  
Flight Funnel

### Other Effective Area-based Conservation Measures

Key Biodiversity Area  
High Conservation Value

Rangeland  
Tsamdro

Significant Watershed  
Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources

### Industrial

Manufacturing and Production  
Service  
Existing mines  
Airport  
Helipad  
Hydro Power Plants  
Hydro Power Waterways

### Basemap

Boundaries  
International  
Dzongkhag  
Gewog

Rivers  
Main river  
Perennial

Terrain  
Contour

Roads for different map scales

Highway 300k  
Highway 50k  
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Dzongkhag 5k  
Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

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Ministry of Energy and Natural Resources

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Centre for Hydrology and Meteorology

National Land Commission Secretariat

## Demographic Table

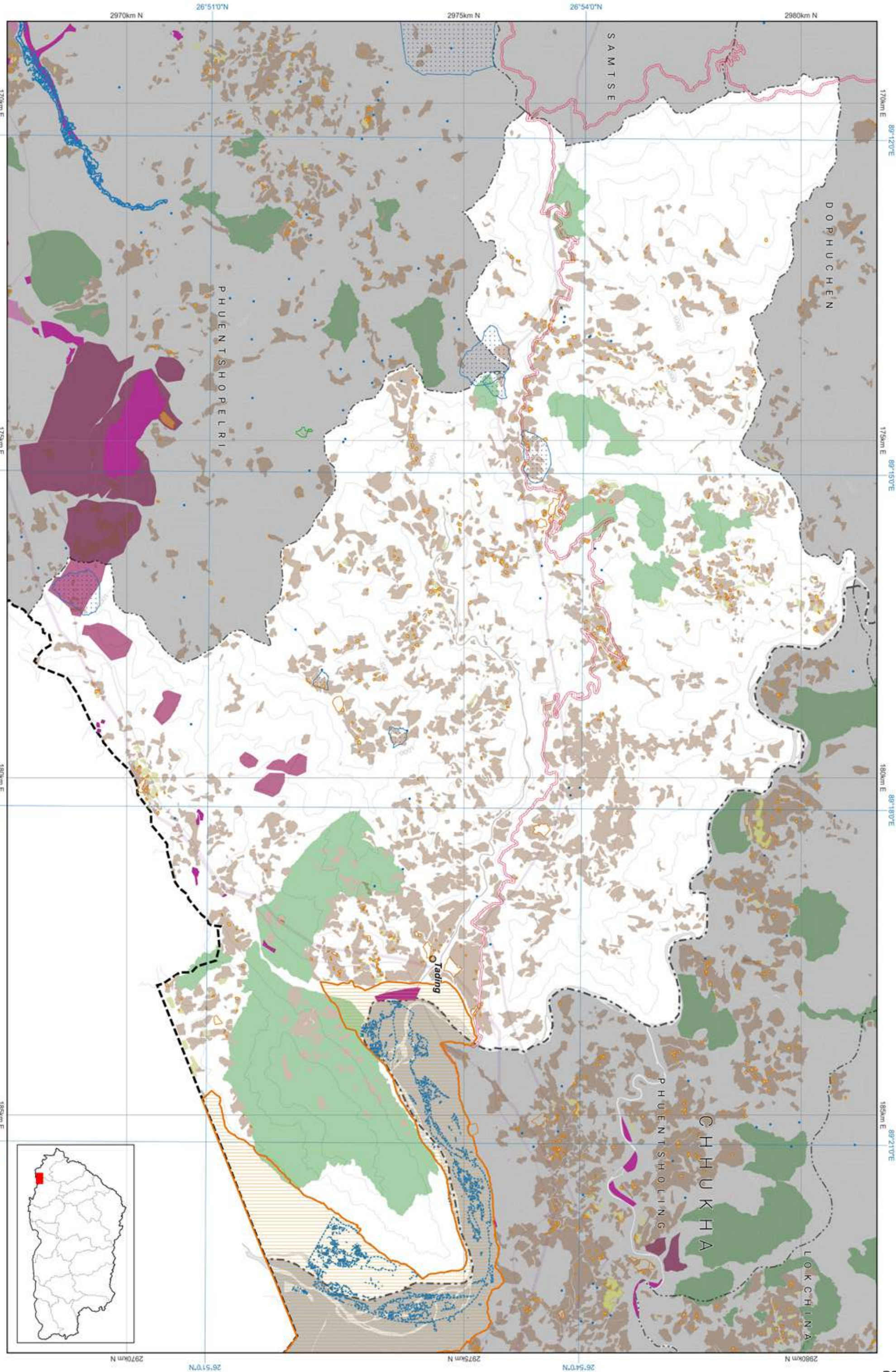
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Tading	2,425	2,294	4,719	105.7	21.8	4.2
Phuentsholing Thromde	15,052	12,606	27,658	119.4	12.2	3.6

**Disclaimer:**  
The demographic statistics provided in the table above for Phuentsholing thromde encompass not only the area falling under the Tading gewog but also include the demographic statistics of the town area falling under the Phuentsholing and Sampheling gewog. The same statistics for Phuentsholing thromde can be found under the Phuentsholing and Sampheling gewog.

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0 1.25 2.5 km

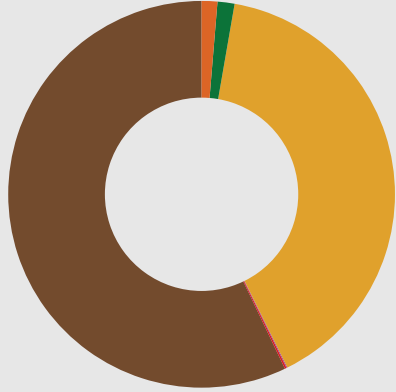
The scale of this map is determined by the ground size. If required, the scale of the map can be determined from the ground size. The map is compiled from the data of various agencies.





Zone Area

Gewog	Tashichhoeling
Gewog code	1214
Gewog area	6367.202
Zone	Area
Agriculture	2306.227
Cultural Heritage	5.815
Industrial	3.237
NCA	0
Rangeland	0
Rural Settlement	1613.47
SFMA	57.249
Urban	53.059



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	5.562	0	0	0	0
Urban	0	0	5.56	0	0.693	0	22.412	0
Culture	0	0	0	0.693	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	22.412	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	5.024	0	0	0	0.299	0
Road	0	0	19.813	0	0	0.156	4.704	0
Flood Hazard	4.065	0	48.334	2.668	0	0	0.943	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	9.051
Road	67.789
Flood Hazard	106.713
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transistion Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
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- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

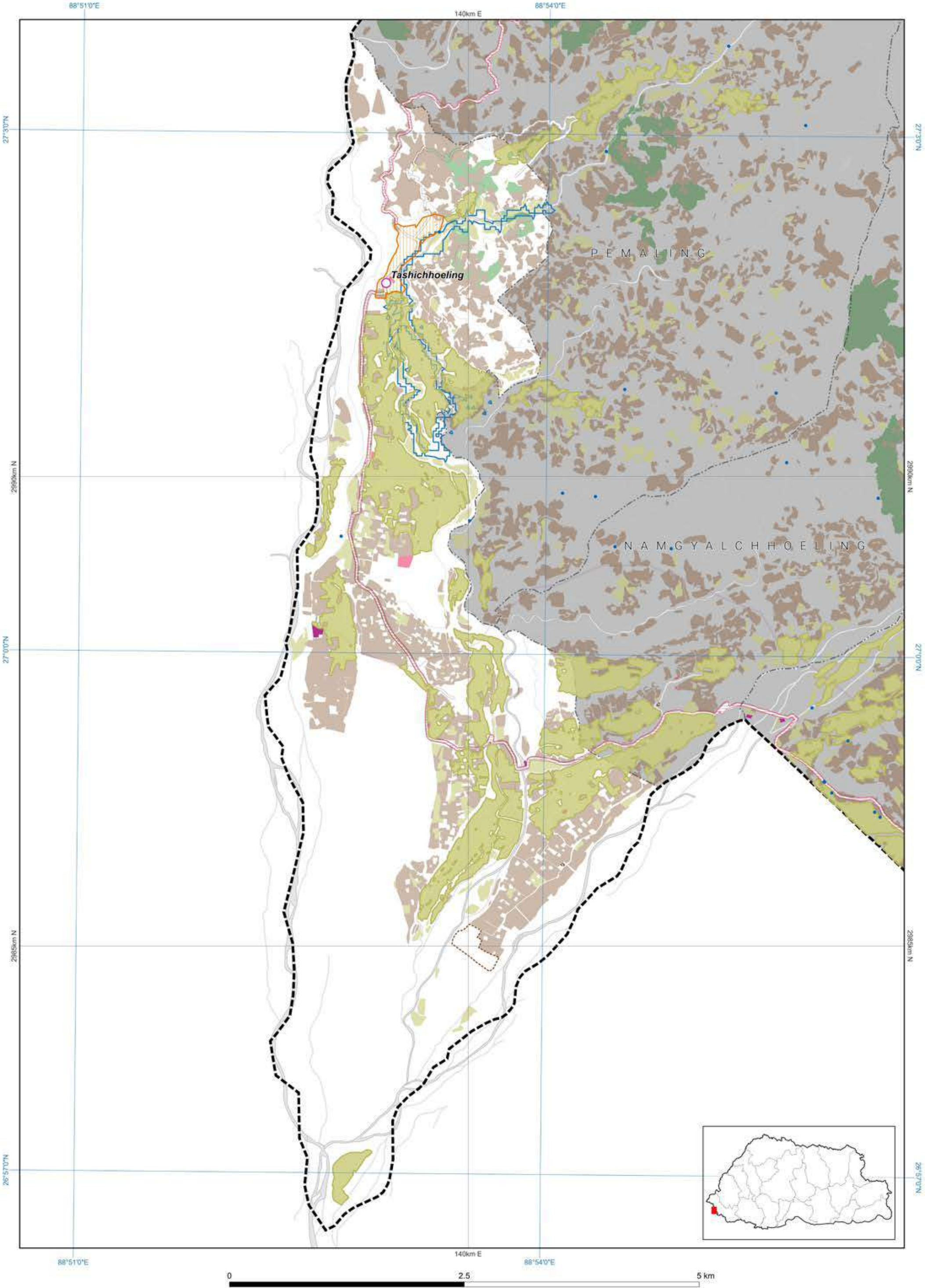
Data Owner of the Map Content
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Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Air Transport Ministry of Infrastructure and Transport
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Tashichhoeling	2,018	1,942	3,960	103.9	20.8	980.0
Sipsu Town	300	317	617	94.6	14.4	169.0

Samtse: Tashichhoeling

National Land Use Zoning 2023



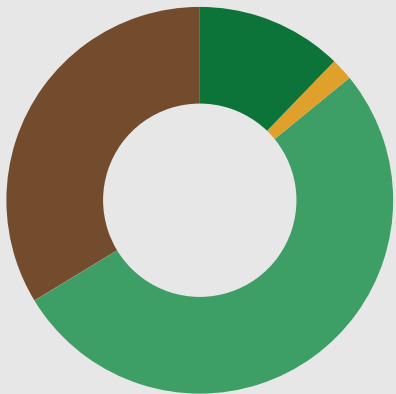
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Zone Area

Gewog	Tendu
Gewog code	1216
Gewog area	32588.273
Zone	Area
Agriculture	3338.925
Cultural Heritage	2.92
Industrial	0.217
NCA	5178.632
Rangeland	0
Rural Settlement	184.559
SFMA	1213.637
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	7.344	0	11.003	0	0.173	0	4.219	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	91.588
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
  - Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
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  - Perennial
- Terrain
  - Contour

Roads for different map scales

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- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Demographic Table

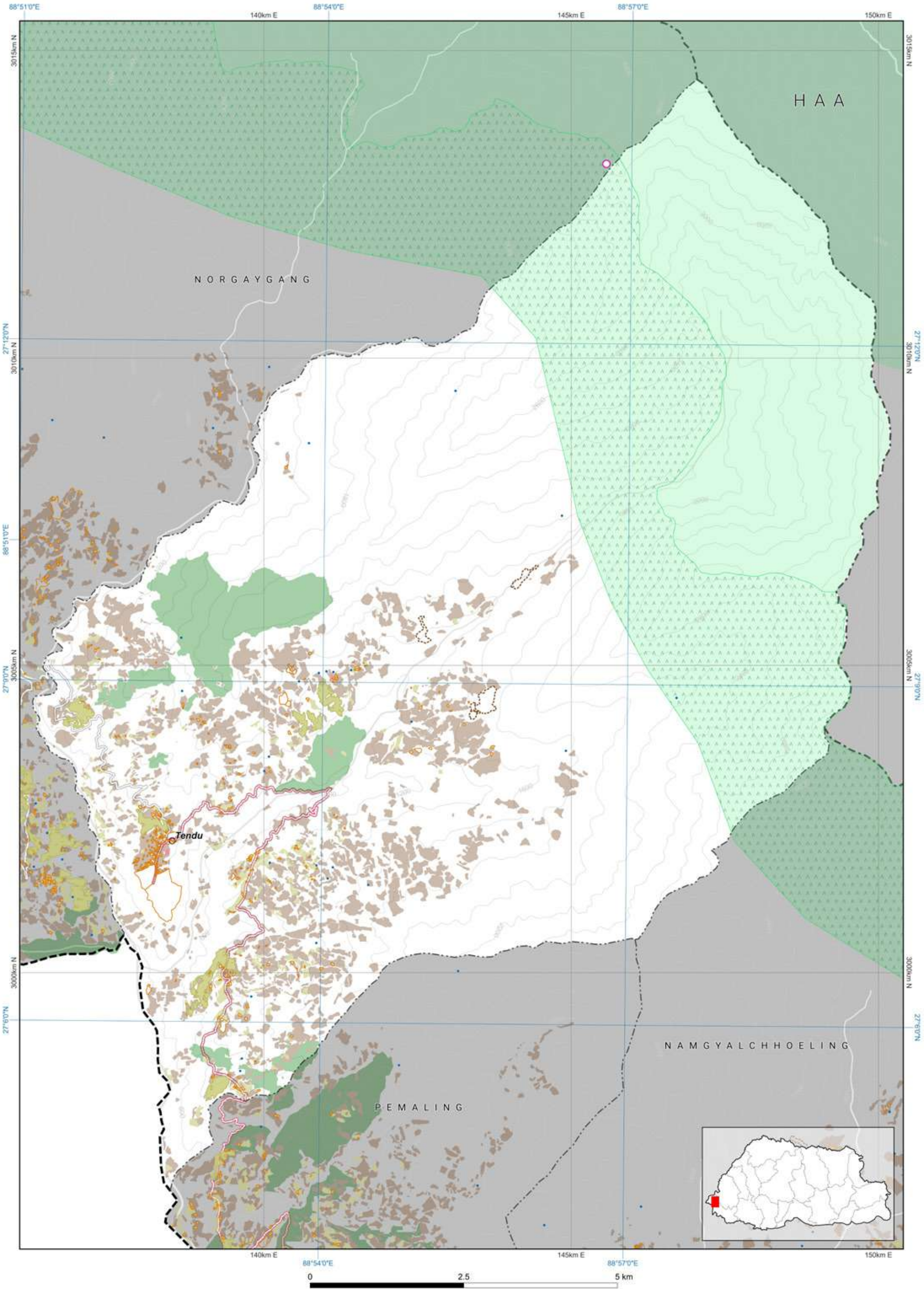
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Tendu	3,216	3,026	6,242	106.3	17.4	1,347.0

Data Ownership

Data Owner of the Map Content
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Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Samtse: Tendu

National Land Use Zoning 2023



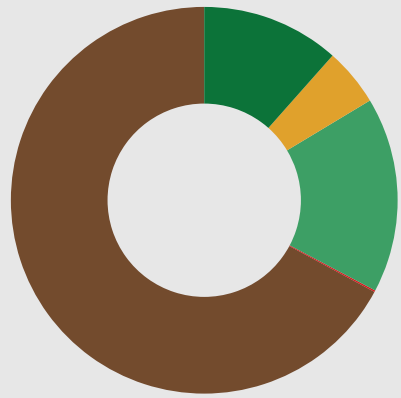
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Zone Area

Gewog	Ugyentse
Gewog code	1211
Gewog area	4533.821
Zone	Area
Agriculture	1277.465
Cultural Heritage	2.448
Industrial	0
NCA	311.199
Rangeland	0
Rural Settlement	91.844
SFMA	219.74
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	0	0	0	0	0
NCA	0	0	8.75	0	0	0	0	0
Agriculture	0.00	8.75	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0.794	8.037	0	0	0	0.462	0
Road	0	0	9.447	0	0	0	4.436	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	15.153
Road	53.059
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
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  - Tsamdro
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  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

- Boundaries
  - International
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  - Gewog
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  - Highway 300k
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  - Dzongkhag 50k
  - Dzongkhag 25k
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  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Data Ownership

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Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

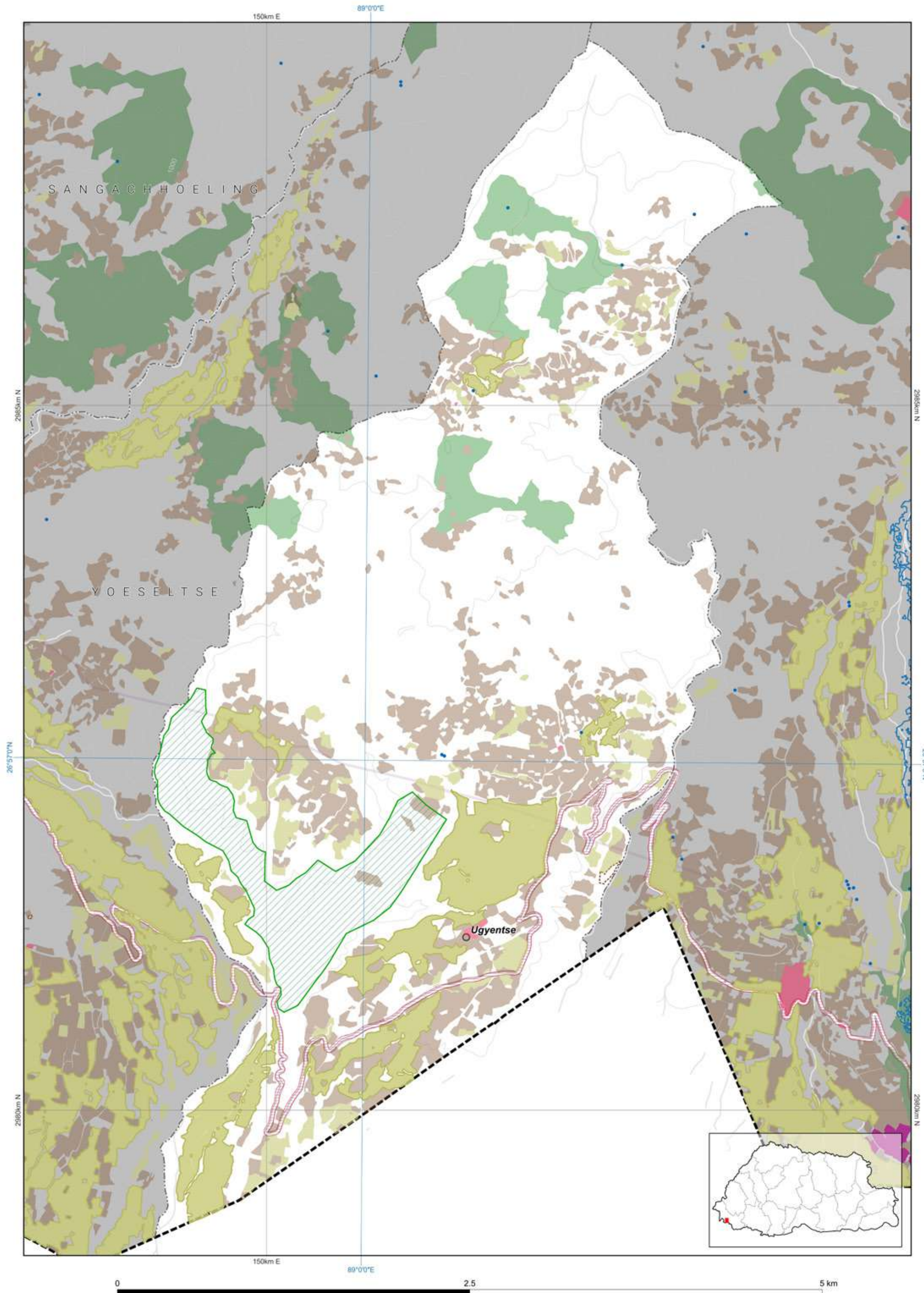
Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Ugyentse	699	691	1,390	101.2	45.5	342.0

3.9

Samtse: Ugyentse

National Land Use Zoning 2023



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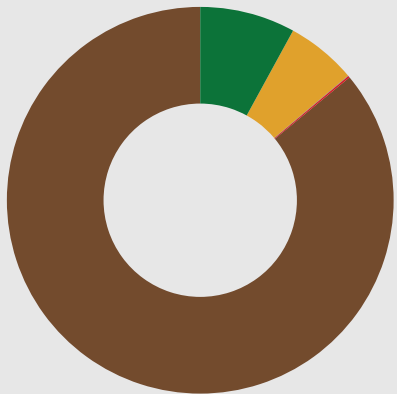
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Zone Area

Gewog	Yoeseltse
Gewog code	1208
Gewog area	5670.616
Zone	Area
Agriculture	2207.066
Cultural Heritage	3.591
Industrial	1.145
NCA	0.008
Rangeland	0
Rural Settlement	150.985
SFMA	204.679
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	2.03	0	0	0	0	0
NCA	0	0	0.00	0	0	0	0	0
Agriculture	2.03	0.00	0	0	0	0.015	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0.015	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	3.568	0	0	0	0.067	0
Road	0	0	11.031	0	0	0	0.352	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	7.48
Road	44.845
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

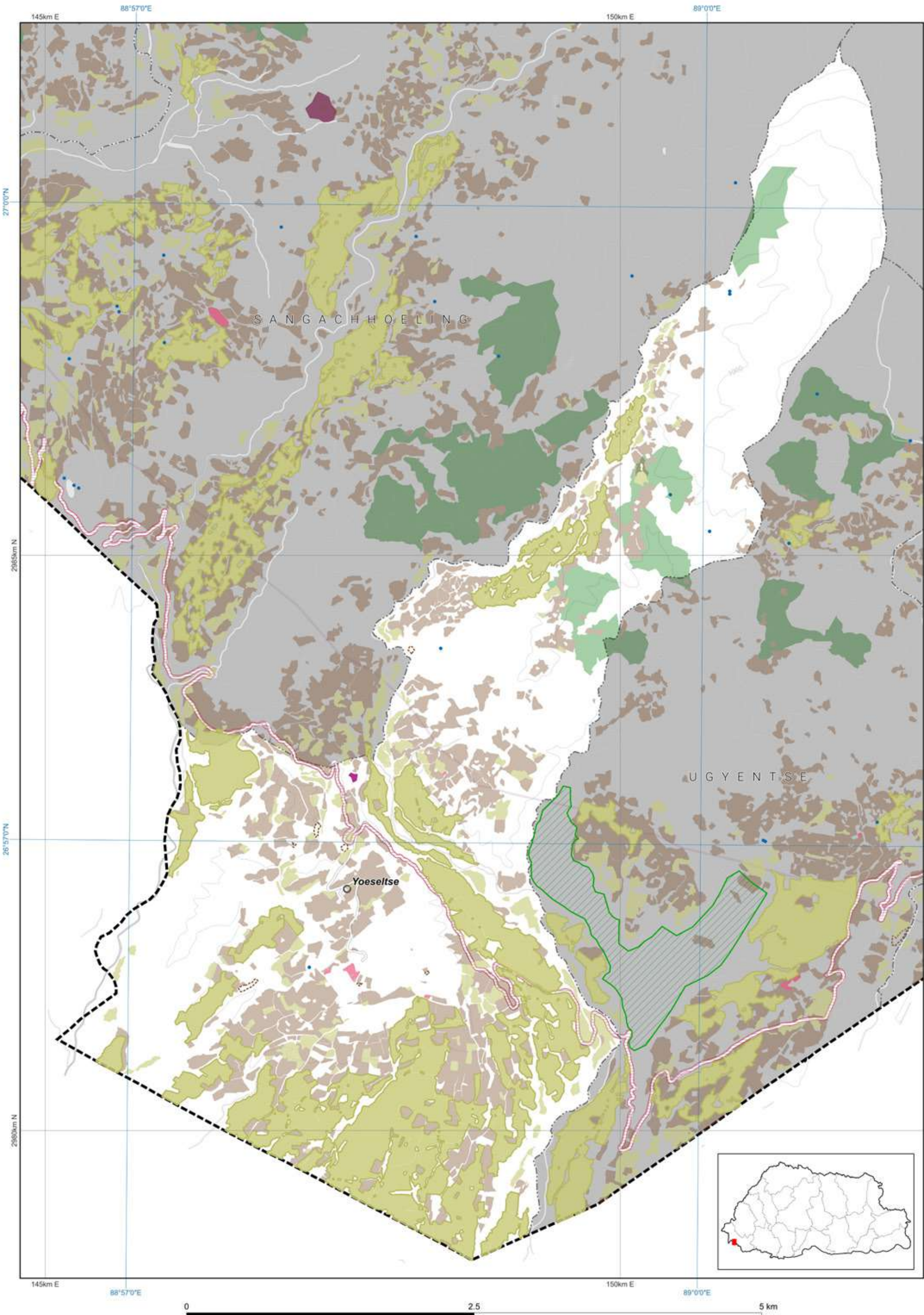
- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
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  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
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  - Road
  - Powerlines
  - Flight Funnel
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  - High Conservation Value
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    - Main river
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    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Yoeseltse	1320	1312	2,632	100.6	30.0	624.0

Data Ownership

Data Owner of the Map Content
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Department of Surface Transport Ministry of Infrastructure and Transport
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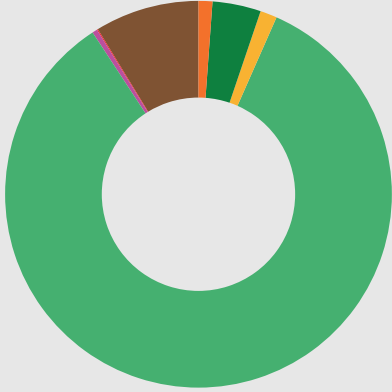
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Zone Area

Dzongkhag	Sarpang
Dzongkhag code	13
Dzongkhag area	409078.469
Zone	Area
Agriculture	26125.35
Culture	251.084
Industrial	1285.443
NCA	252279.003
Rangeland	0
Rural Settlement	4220.219
SFMA	12139.624
Urban	3466.984



All areas are in Acres.

- Agriculture
- Culture
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	2088.72	0.00	0	0	0	0.322	0
NCA	2088.72	0	4,207.20	0	1.352	0.112	115.108	0
Agriculture	0.00	4,207.20	0	7.251	0	0	0	0
Urban	0	0	7.251	0	9.928	78.4	9.612	0
Culture	0	1.352	0	9.928	0	0	0	0
Industrial	0	0.112	0	78.4	0	0	0	0
Rural Settlement	0.322	115.108	0	9.612	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	130.032	636.288	120.344	20.333	2.535	11.495	13.412	0
Road	50.886	305.242	32.822	0	0.557	0	9.475	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	1567.087
Road	879.751
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

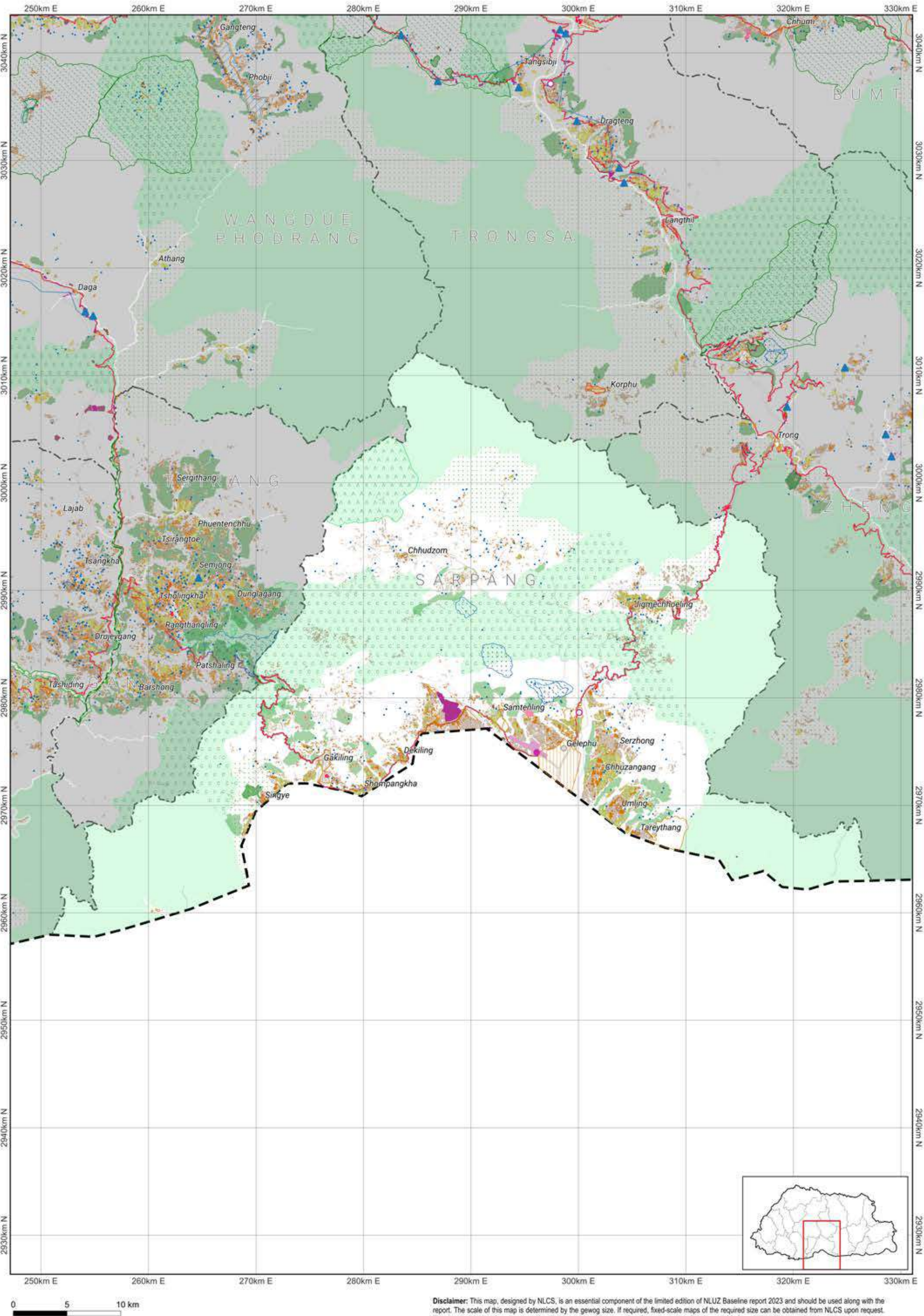
Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Sarpang	24,018	21,986	46,004	109.2	23.3	10,369

Map Legend

- National Land Use Zoning
- Agricultural Land
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    - Protected Chhuzhing
    - Regulated Chhuzhing
    - Lease Land
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    - Residential Land
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    - Forest Management Unit
    - Community Forest
  - Cultural Heritage
    - Religious Sites
    - Heritage Village
    - Heritage Conservation Zone
  - Urban
    - Urban Zone
  - Nature Conservation Area
    - Protected Area
      - Core Zone
      - Transition Zone
      - Buffer Zone
      - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake
    - Outburst Flood
    - Right Of Way / Buffer
  - Heritage
    - Heritage
    - Road
    - Powerlines
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    - Key Biodiversity Area
    - High Conservation Value
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    - Tsamdro
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Sarpang

National Land Use Zoning 2023



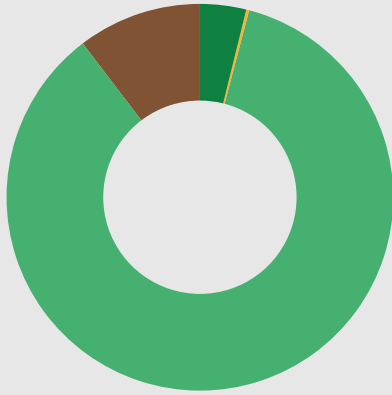
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# CHHUDZOM

## Zone Area

Gewog	Chhudzom
Gewog code	1305
Gewog area	54980.067
Zone	Area
Agriculture	2136.869
Cultural Heritage	1.325
Industrial	0
NCA	17642.713
Rangeland	0
Rural Settlement	49.964
SFMA	795.152
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

## Zone Conflict

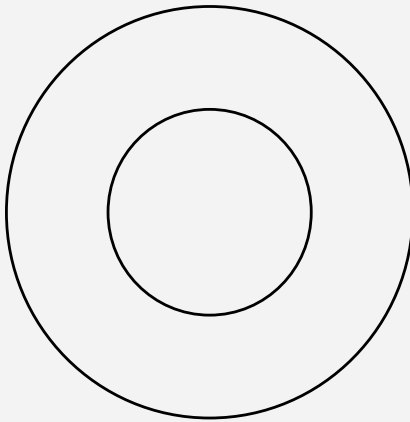
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	166.066	0	0	0	0	0	0
NCA	166.066	0	110.734	0	0	0	0.004	0
Agriculture	0	110.734	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0.004	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
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- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

### Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
  - Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial

### Terrain

- Contour

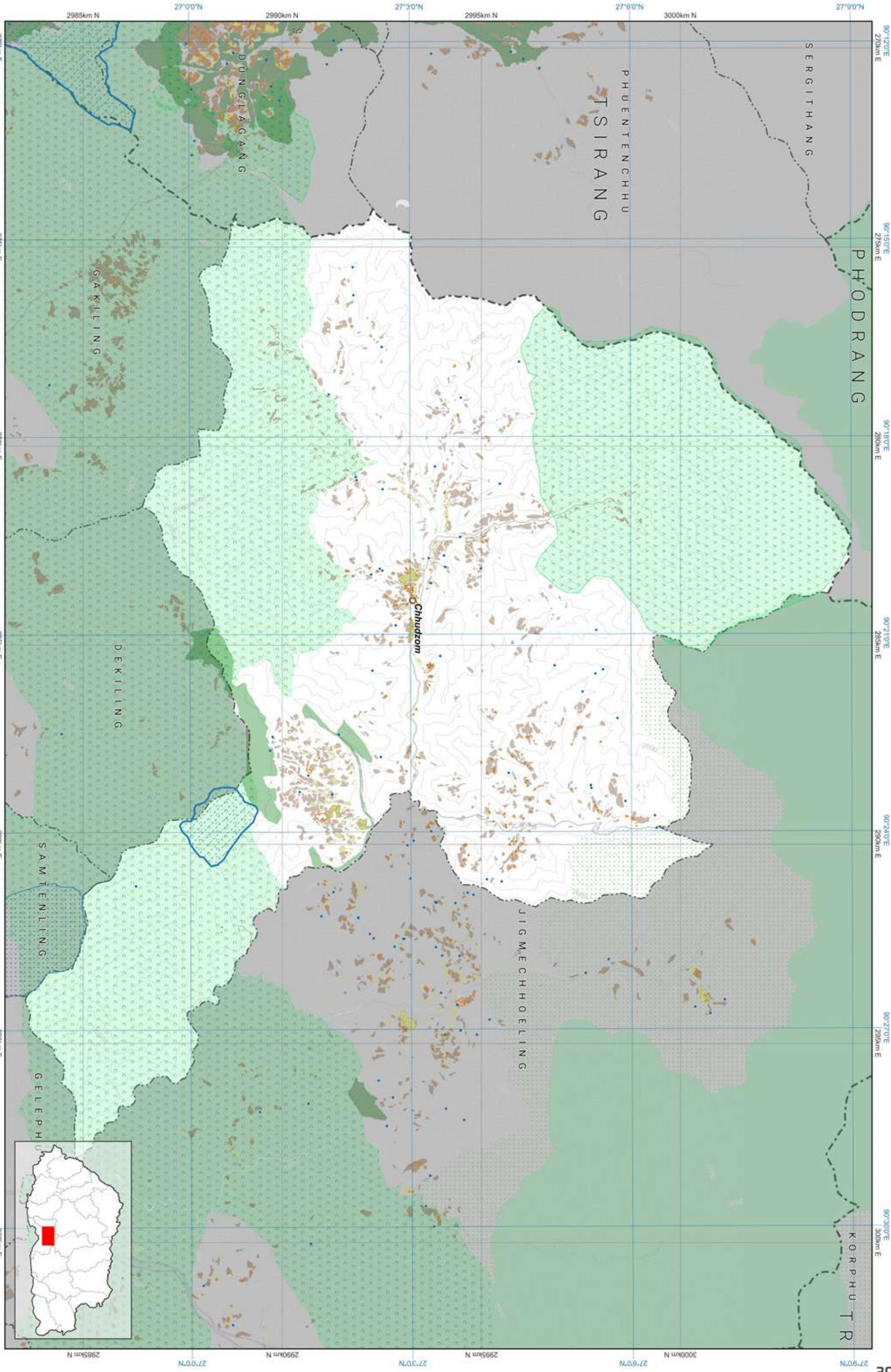
### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Disclaimer: This map, designed by NLCSS, is an essential component of the limited edition of NLCSS Baseline report 2023 and should be used along with the report. More specific information on the data is available from the digital vector files on the opposite page.



The scale of this map is determined by the geospatial data. If required, the scale of the map can be determined from the geospatial data. The map is compiled from the data of multiple agencies.



## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Chhudzom	1,460	1,204	2,664	121.3	23.9	595

## Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

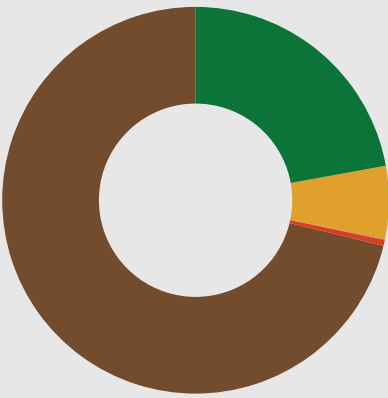


# SARPANG



### Zone Area

Gewog	Chhuzangang
Gewog code	1302
Gewog area	5170.788
Zone	Area
Agriculture	2399.338
Cultural Heritage	16.201
Industrial	1.749
NCA	0
Rangeland	0
Rural Settlement	206.127
SFMA	746.069
Urban	0



All areas are in Acres.



### Zone Conflict

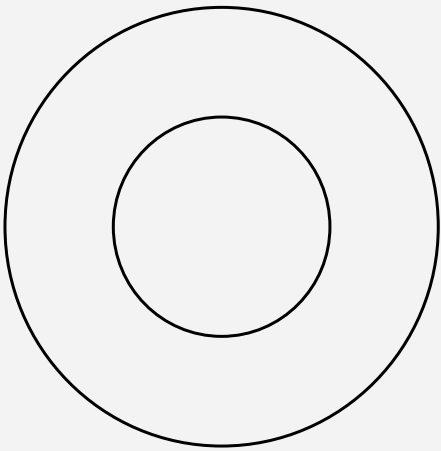
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

### RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

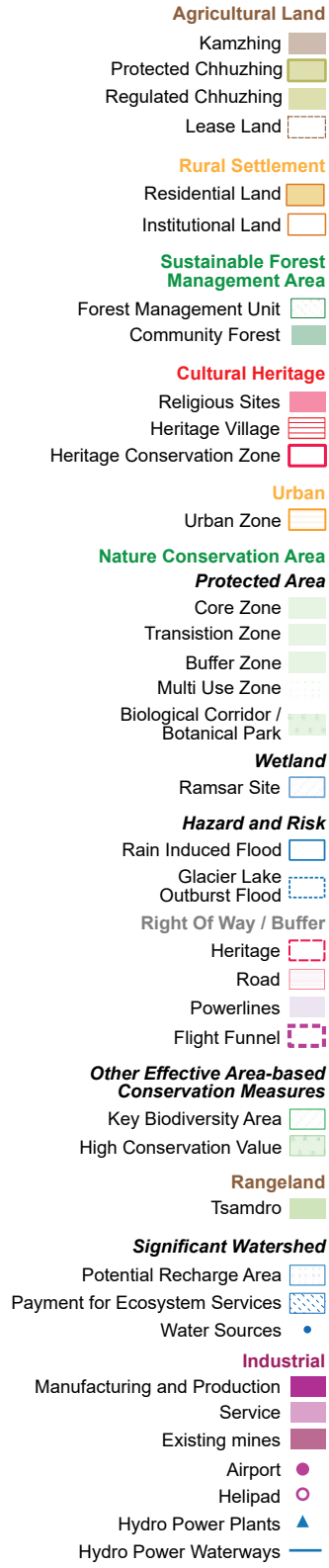
### RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



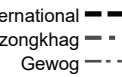
### Map Legend

#### National Land Use Zoning

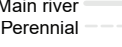


#### Basemap

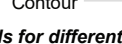
##### Boundaries



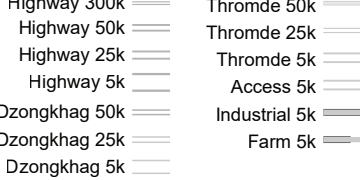
##### Rivers



##### Terrain



##### Roads for different map scales



### Demographic Table

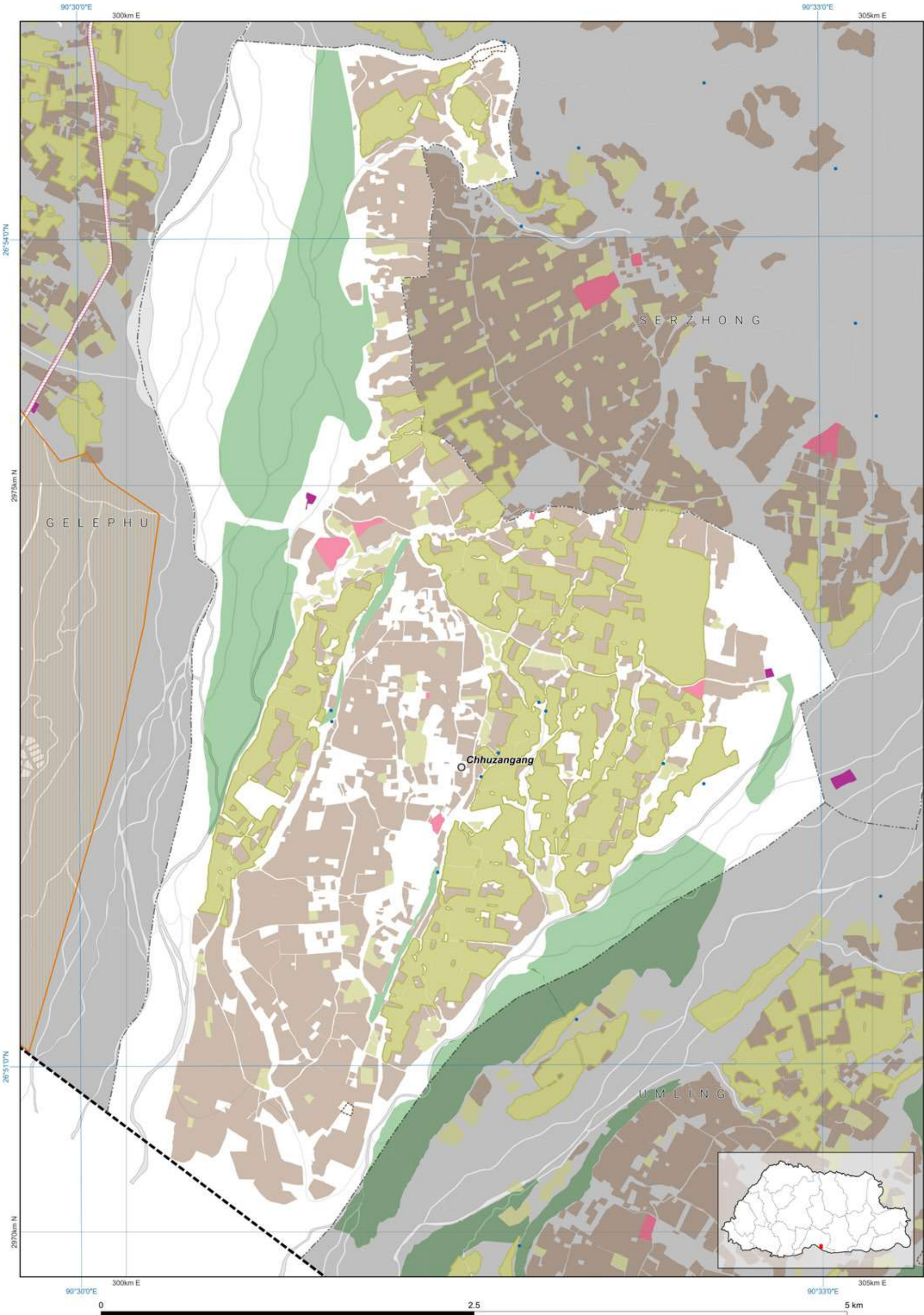
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Chhuzangang	1,262	1,237	2,499	102.0	28.8	586

### Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Sarpang: Chhuzangang

National Land Use Zoning 2023



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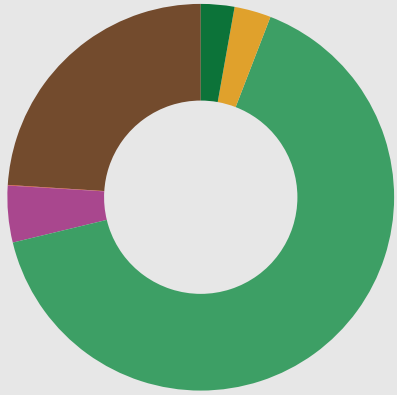
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Zone Area

Gewog	Dekiling
Gewog code	1303
Gewog area	28003.374

Zone	Area
Agriculture	3721.547
Cultural Heritage	7.726
Industrial	734.91
NCA	10140.631
Rangeland	0
Rural Settlement	476.304
SFMA	434.576
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	127.418	0.00	0	0	0	0	0
NCA	127.418	0	132.58	0	0	0	0	0
Agriculture	0.00	132.58	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	11.115	0	0	11.495	0.791	0
Road	0	0	5.432	0	0.07	0	2.53	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	208.228
Road	98.68
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

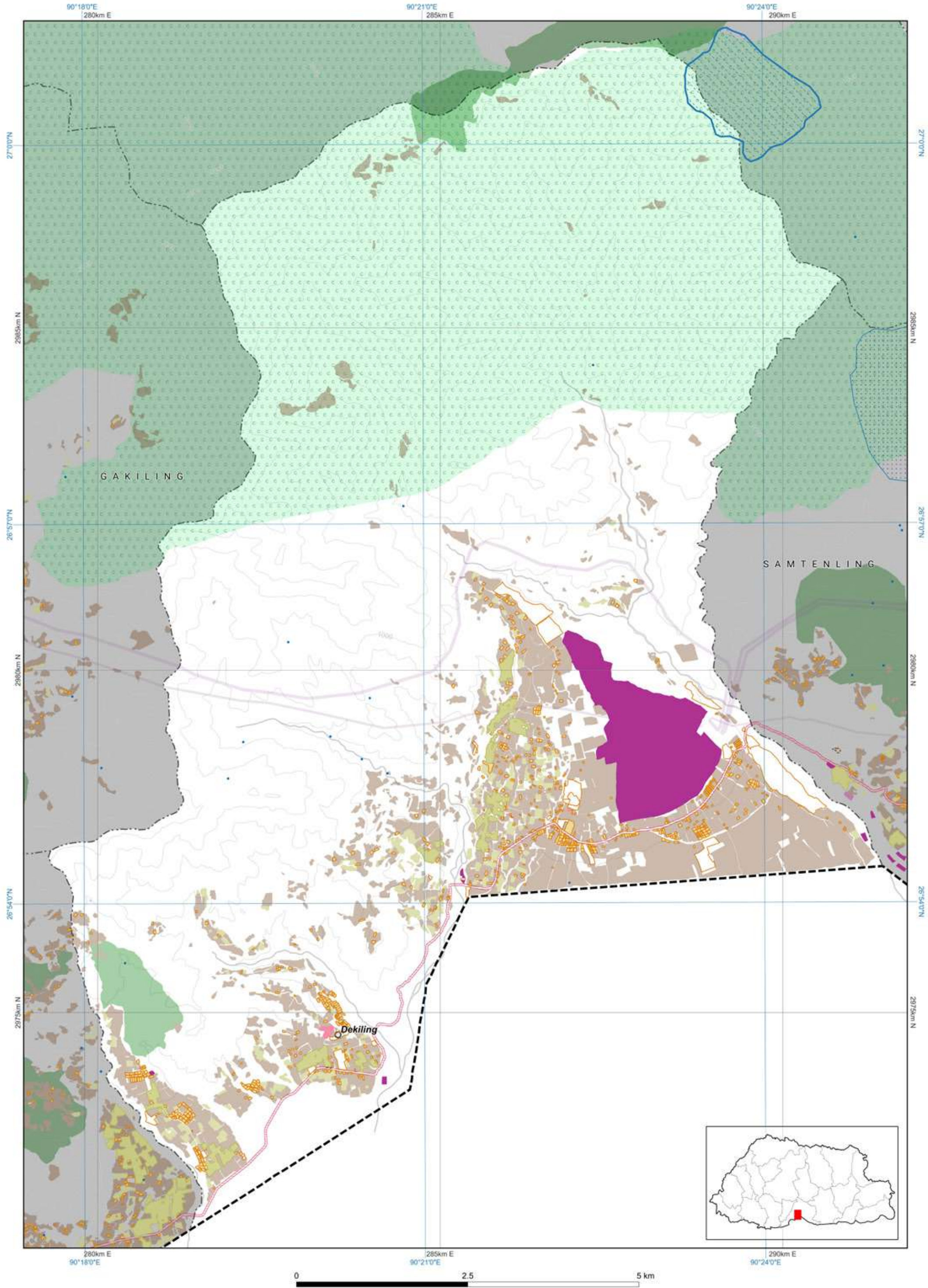
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
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  - Powerlines
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- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
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    - Gewog
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    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Sarpang: Dekiling

National Land Use Zoning 2023



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Data Ownership

Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Industry  
Ministry of Industry, Commerce and Employment

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Dekiling	3,290	2,690	5,980	122.3	23.7	1,339

Mean Household size

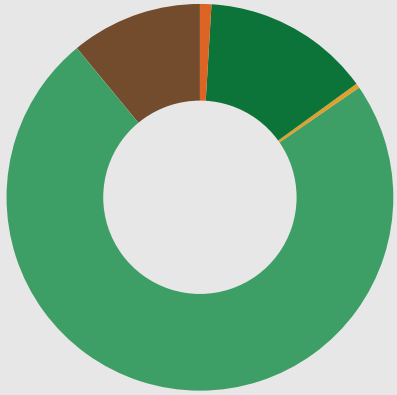
3.9





## Zone Area

Gewog	Gakiling
Gewog code	1307
Gewog area	35043.63
Zone	Area
Agriculture	2670.53
Cultural Heritage	3.605
Industrial	0
NCA	17910.977
Rangeland	0
Rural Settlement	95.944
SFMA	3419.087
Urban	232.433



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	581.666	0	0	0	0	0	0
NCA	581.666	0	799.562	0	0	0	4.205	0
Agriculture	0	799.562	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	4.205	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	12.916	100.242	21.316	0	0	0	0.398	0
Road	38.702	117.673	1.088	0	0	0	0.413	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	224.386
Road	225.201
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
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  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
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  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
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    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Gakiling	1,105	1,020	2,125	108.3	33.9	501
Sarpang Town	1,652	1,500	3,152	110.1	16.3	687

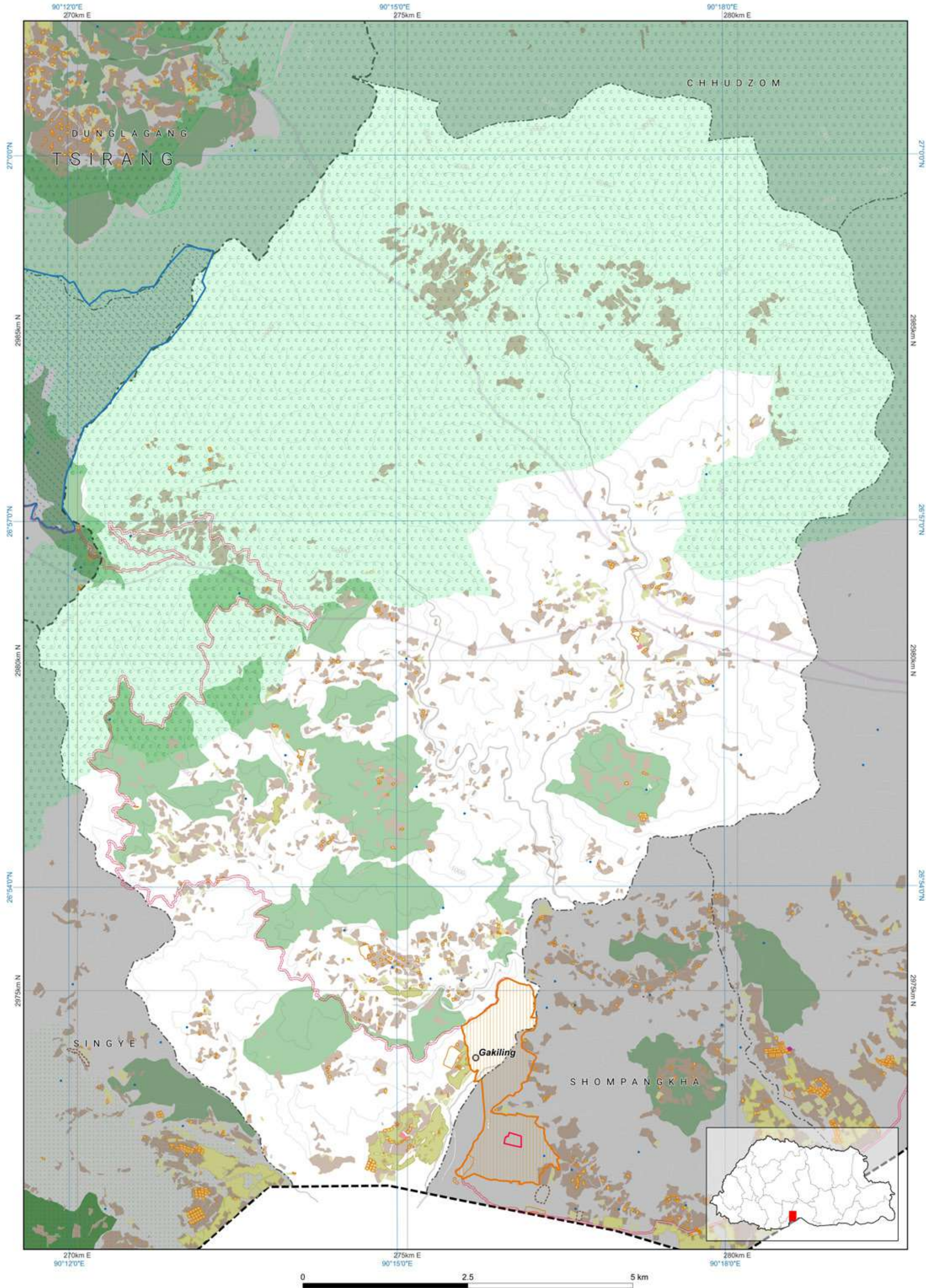
**Disclaimer:**  
The demographic statistics provided in the table above for Sarpang Town encompass not only the area falling under the Gakiling gewog but also include the demographic statistics of the town area falling under the Shompangkha gewog. The same statistics for Sarpang town can be found under the Shompangkha gewog.

## Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Sarpang: **Gakiling**

## National Land Use Zoning 2023



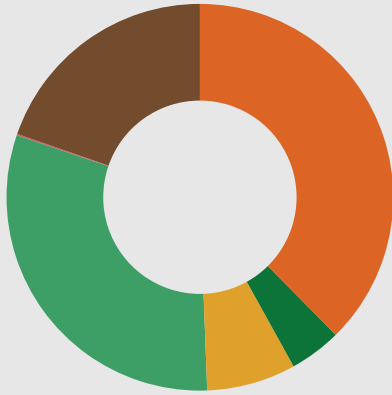
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## Zone Area

Gewog	Gelephu
Gewog code	1306
Gewog area	13393.405
Zone	Area
Agriculture	1381.654
Cultural Heritage	4.906
Industrial	3.612
NCA	2160.453
Rangeland	0
Rural Settlement	523.161
SFMA	304.818
Urban	2638.697



All areas are in Acres.



## Zone Conflict

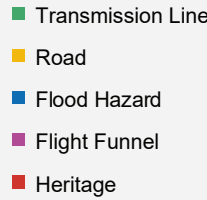
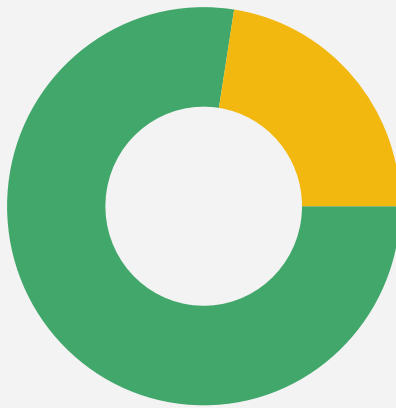
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	5.545	0	0	0	0	0	0
NCA	5.545	0	0.022	0	0	0	0	0
Agriculture	0	0.022	0	0.968	0	0	0	0
Urban	0	0	0.968	0	0	0.11	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0.11	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	47.751	18.669	20.333	0.097	0	9.198	0
Road	0	0	2.911	0	0	0	0.642	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	178.865
Road	52.006
Flood Hazard	0
Flight Funnel	0
Heritage	0



## Map Legend

### National Land Use Zoning

- Agricultural Land**
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement**
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area**
  - Forest Management Unit
  - Community Forest
- Cultural Heritage**
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban**
  - Urban Zone
- Nature Conservation Area**
  - Protected Area**
    - Core Zone
    - Transition Zone
    - Buffer Zone
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  - Biological Corridor / Botanical Park
- Wetland**
  - Ramsar Site
- Hazard and Risk**
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
  - Heritage
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  - Powerlines
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  - Water Sources
- Industrial**
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

### Basemap

- Boundaries**
  - International
  - Dzongkhag
  - Gewog
- Rivers**
  - Main river
  - Perennial
- Terrain**
  - Contour

### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
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- Dzongkhag 50k
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## Data Ownership

### Data Owner of the Map Content

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Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Air Transport  
Ministry of Infrastructure and Transport

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

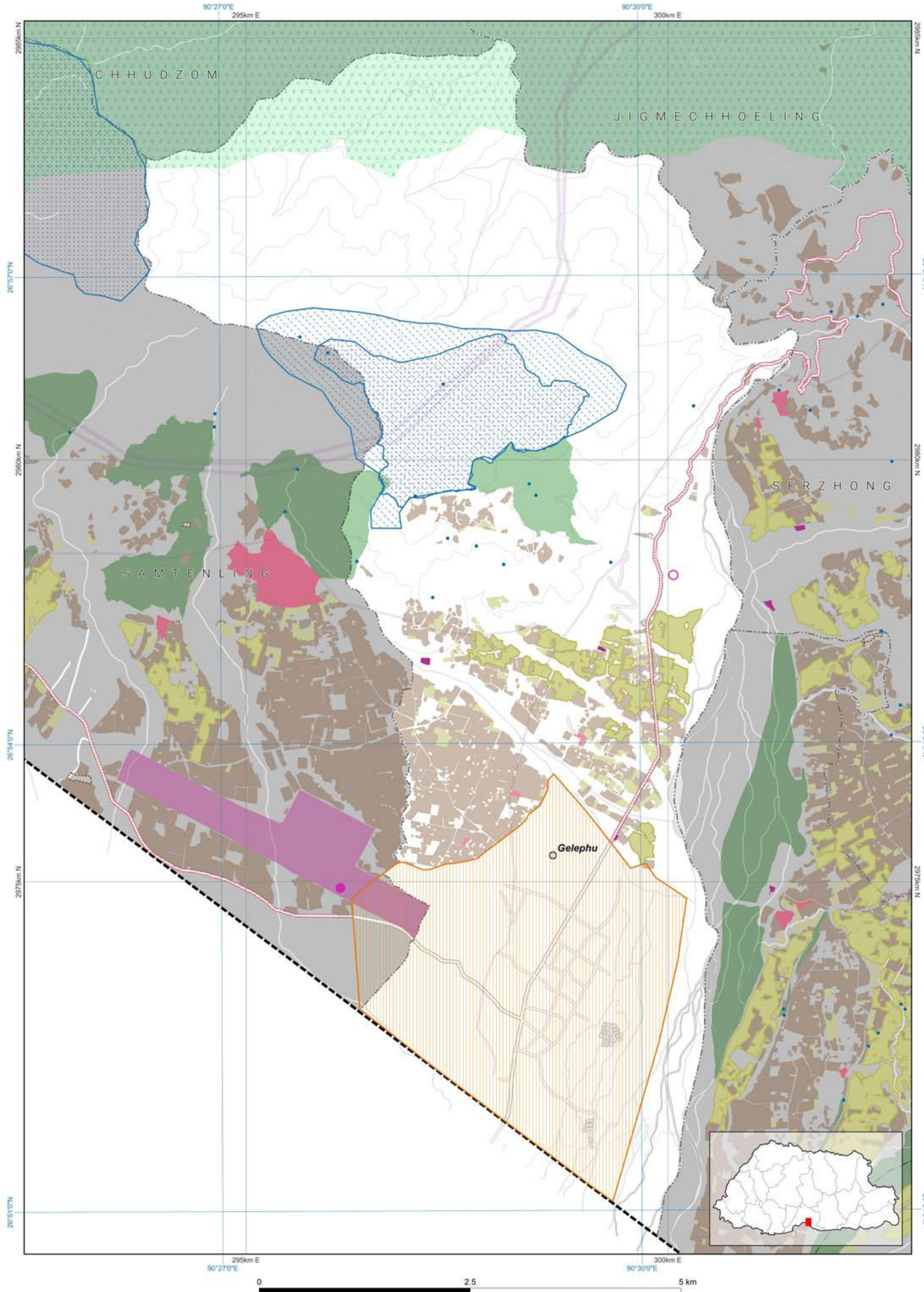
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Gelephu	3,314	3,143	6,457	105.4	14.4	1,387
Gelephu Thromde	5,146	4,712	9858	109.2	17.5	2,320

### Disclaimer:

The demographic statistics provided in the table above for Gelephu thromde encompass not only the area falling under the Gelephu gewog but also include the demographic statistics of the thromde area falling under the Samtenling gewog. The same statistics for Gelephu thromde can be found under the Samtenling gewog.

Sarpang: Gelephu

## National Land Use Zoning 2023



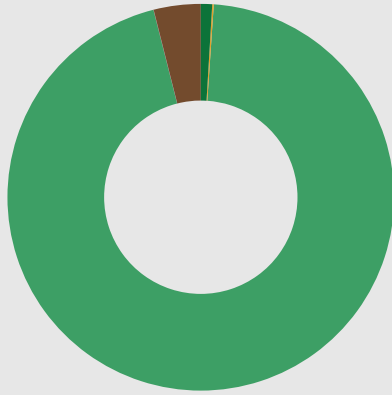
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Zone Area

Gewog	Jigmechhoeling
Gewog code	1308
Gewog area	123454.715
Zone	Area
Agriculture	4272.535
Cultural Heritage	18.751
Industrial	0.214
NCA	103347.296
Rangeland	0
Rural Settlement	140.995
SFMA	1021.528
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

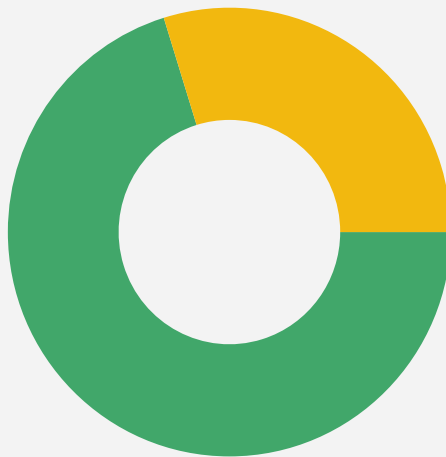
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	281.767	0	0	0	0	0	0
NCA	281.767	0	1649.105	0	0	0.112	8.575	0
Agriculture	0	1649.105	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0.112	0	0	0	0	0	0
Rural Settlement	0	8.575	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	9.571	461.412	55.494	0	0	0	0.561	0
Road	12.184	150.967	12.553	0	0.487	0	2.7	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	664.546
Road	281.95
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
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  - Residential Land
  - Institutional Land
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  - Heritage Conservation Zone
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  - Urban Zone
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  - Biological Corridor / Botanical Park
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  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

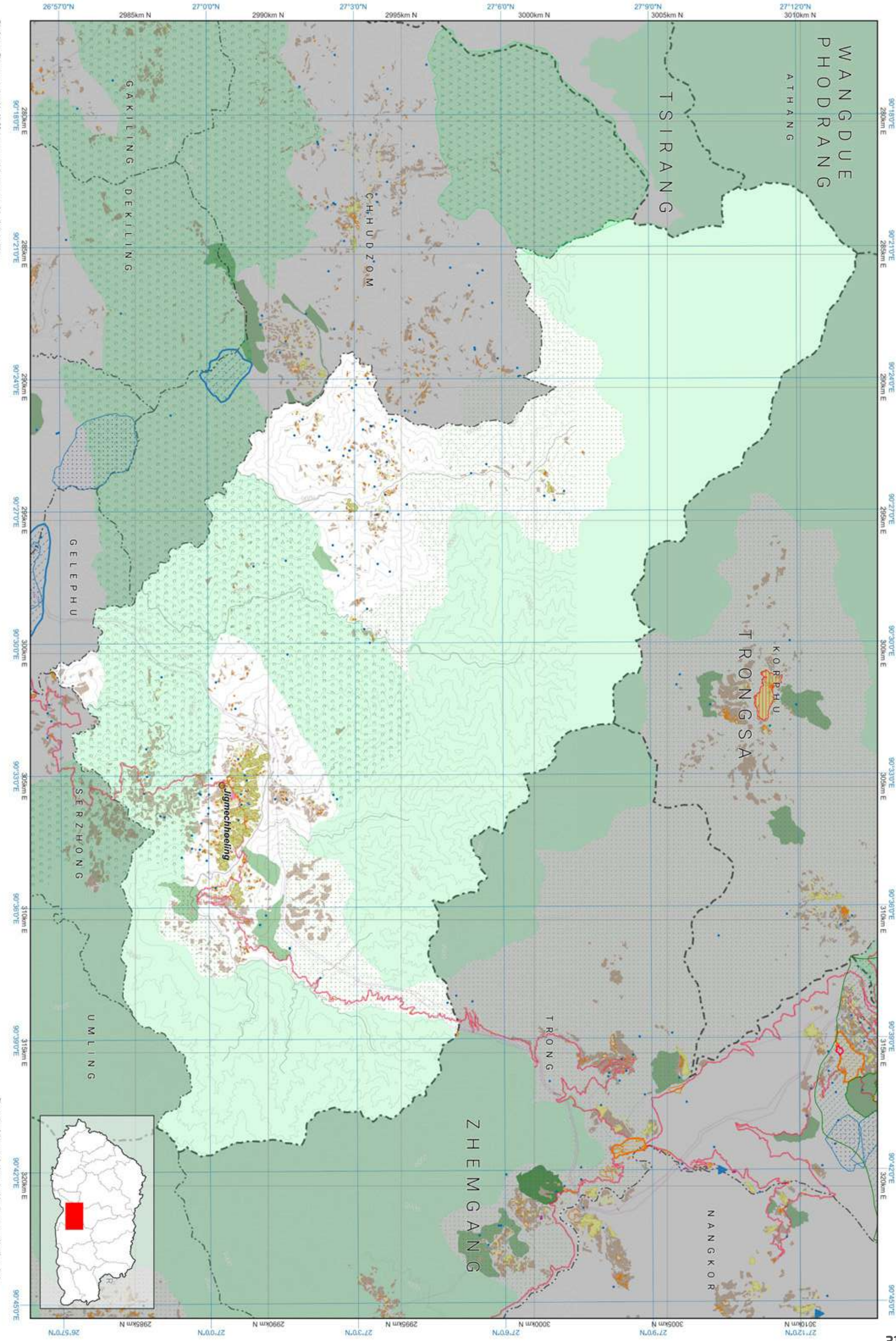
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Jigmechhoeling	1,743	1,515	3,258	115.0	33.2	746

4.1

Disclaimer: This map, designed by NLCSS, is an essential component of the limited edition of NLCSS Baseline report 2023 and should be used along with the report. More specific information on the data is available from the digital owner files on the opposite page.

0 1.25 2.5 km

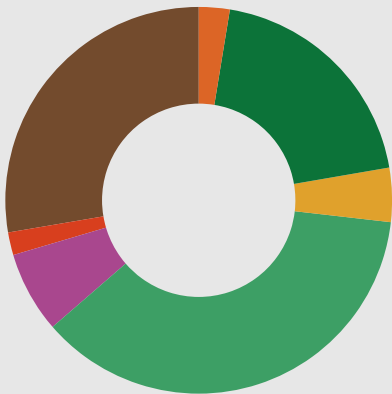
The scale of this map is determined by the geospatial data. If required, based on the scale of the required data, the map can be obtained from NLCSS upon request. This map is compiled from the data of multiple agencies.





Zone Area

Gewog	Samtenling
Gewog code	1301
Gewog area	13695.598
Zone	Area
Agriculture	2190.979
Cultural Heritage	150.773
Industrial	537.849
NCA	2916.022
Rangeland	0
Rural Settlement	358.071
SFMA	1560.604
Urban	204.231



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0.008	0	0	0	0
Urban	0	0	0.008	0	0	78.287	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	78.287	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	107.546	6.642	5.700	0	2.438	0	2.19	0
Road	0	0	3.377	0	0	0	1.216	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	245.342
Road	66.66
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
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  - Airport
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  - Hydro Power Waterways
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    - Highway 5k
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    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

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Ministry of Energy and Natural Resources

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Ministry of Infrastructure and Transport

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

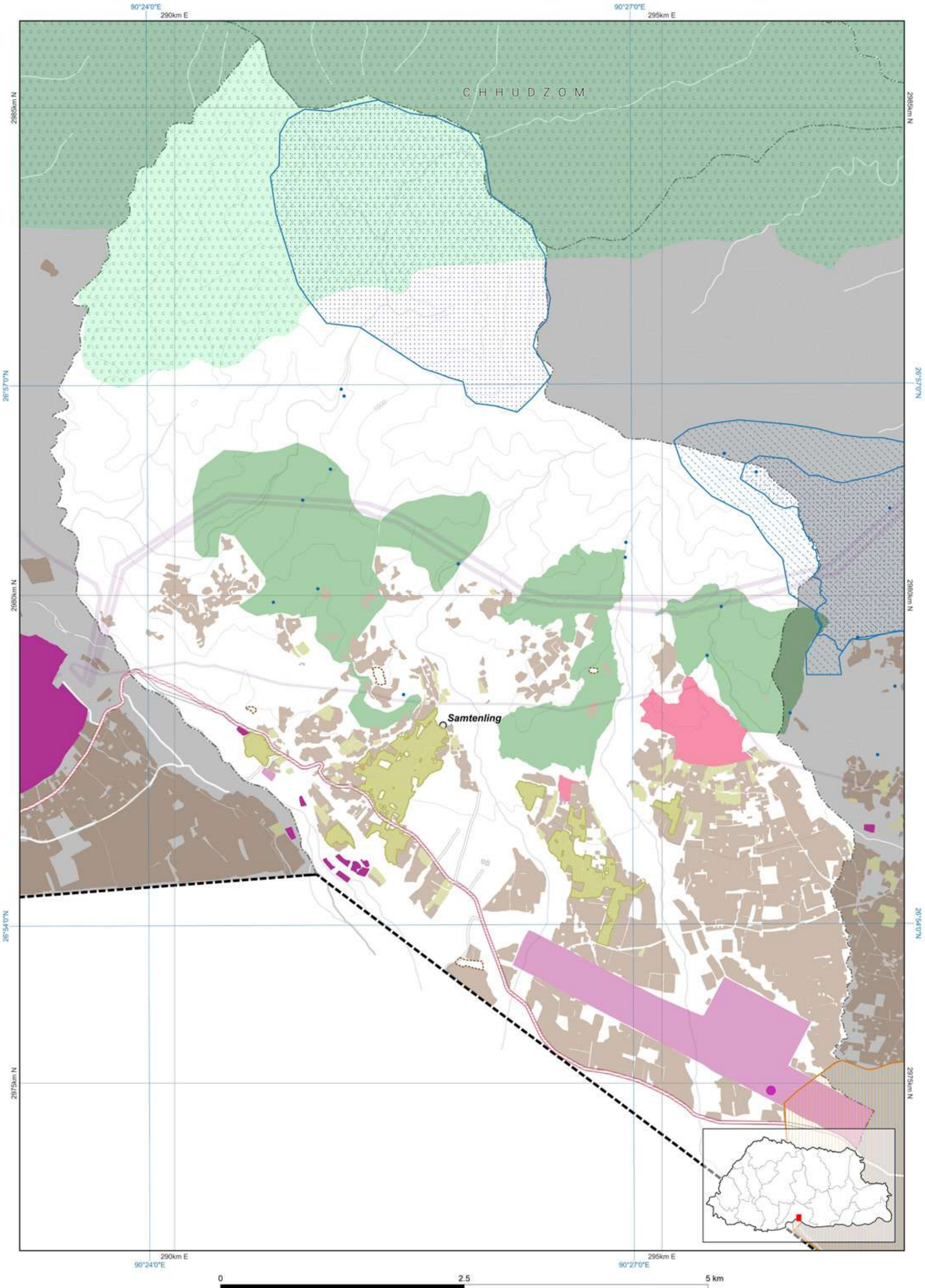
Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Samtenling	1,456	1,345	2,801	108.3	22.9	622
Gelephu Thromde	5,146	4,712	9,858	109.2	17.5	2,320

**Disclaimer:**  
The demographic statistics provided in the table above for Gelephu thromde encompass not only the area falling under the Samtenling gewog but also include the demographic statistics of the thromde area falling under the Gelephu gewog. The same statistics for Gelephu thromde can be found under the Gelephu gewog.

Sarpang: Samtenling

National Land Use Zoning 2023



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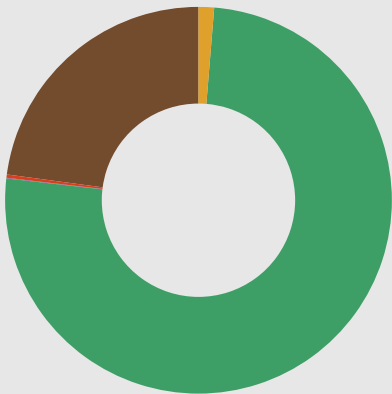
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.





Zone Area

Gewog	Serzhong
Gewog code	1312
Gewog area	19572.288
Zone	Area
Agriculture	2662.978
Cultural Heritage	31.735
Industrial	6.8
NCA	8791.953
Rangeland	0
Rural Settlement	151.344
SFMA	0
Urban	0



All areas are in Acres.

■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	569.463	0	0	0	0	0
Agriculture	0	569.463	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	20.241	8.051	0	0	0	0.274	0
Road	0	36.603	2.235	0	0	0	0.469	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	45.719
Road	107.247
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
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  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

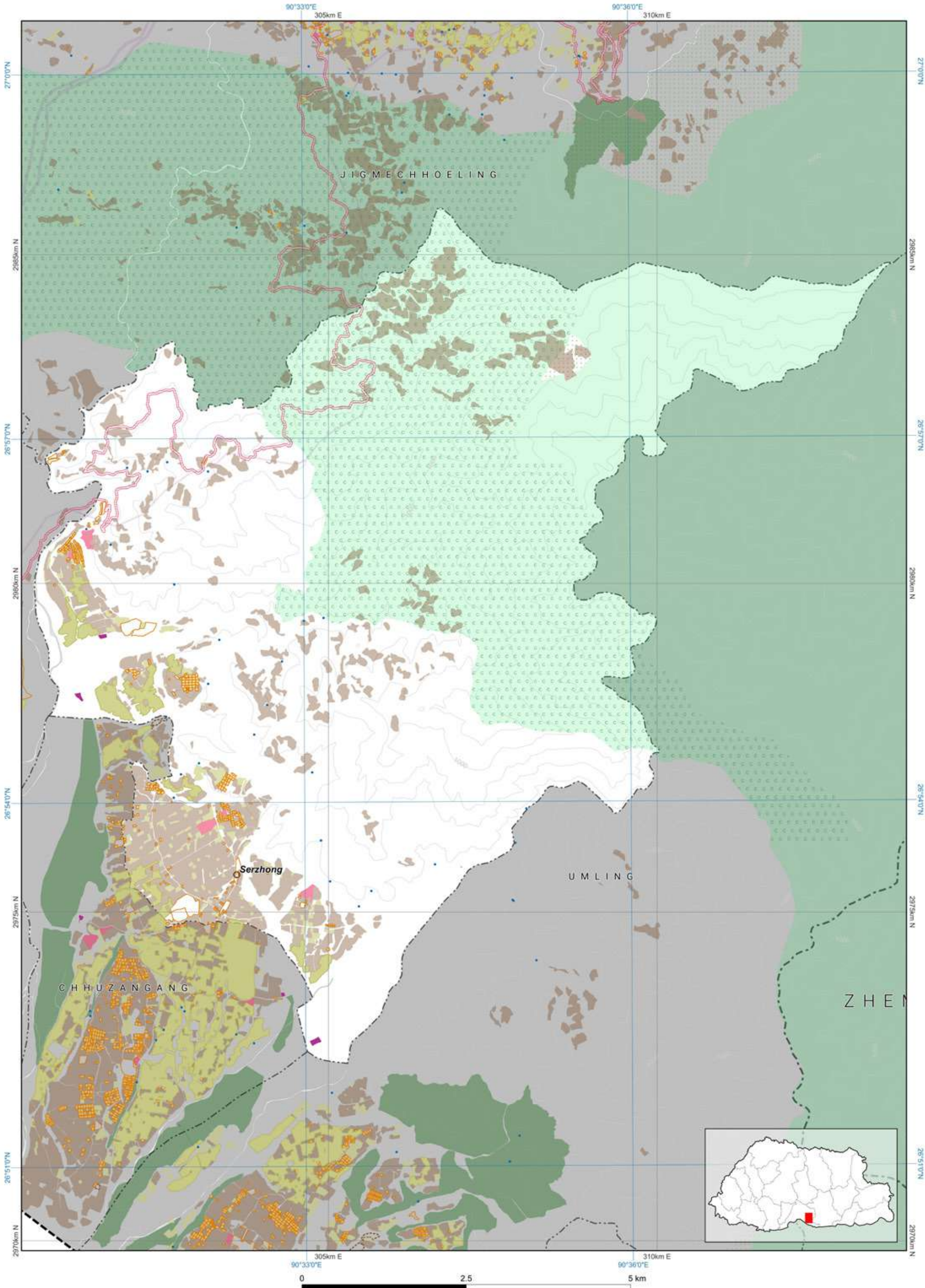
- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Data Ownership

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Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population			Sex ratio	Aging Index
	Male	Female	Total		
Serzhong	1,285	1,422	2,707	90.4	33.5
					481
					4.1



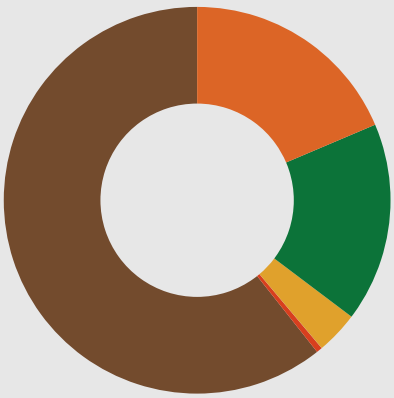
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Zone Area

Gewog	Shompangkha
Gewog code	1311
Gewog area	5454.768
Zone	Area
Agriculture	1276.234
Cultural Heritage	10.227
Industrial	0.203
NCA	0
Rangeland	0
Rural Settlement	75.079
SFMA	350.857
Urban	391.623



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	6.274	0	0	0	0
Urban	0	0	0	6.274	9.927	0	9.612	0
Culture	0	0	0	9.927	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	9.612	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	2.18
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Data Ownership

Data Owner of the Map Content

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Ministry of Home Affairs

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

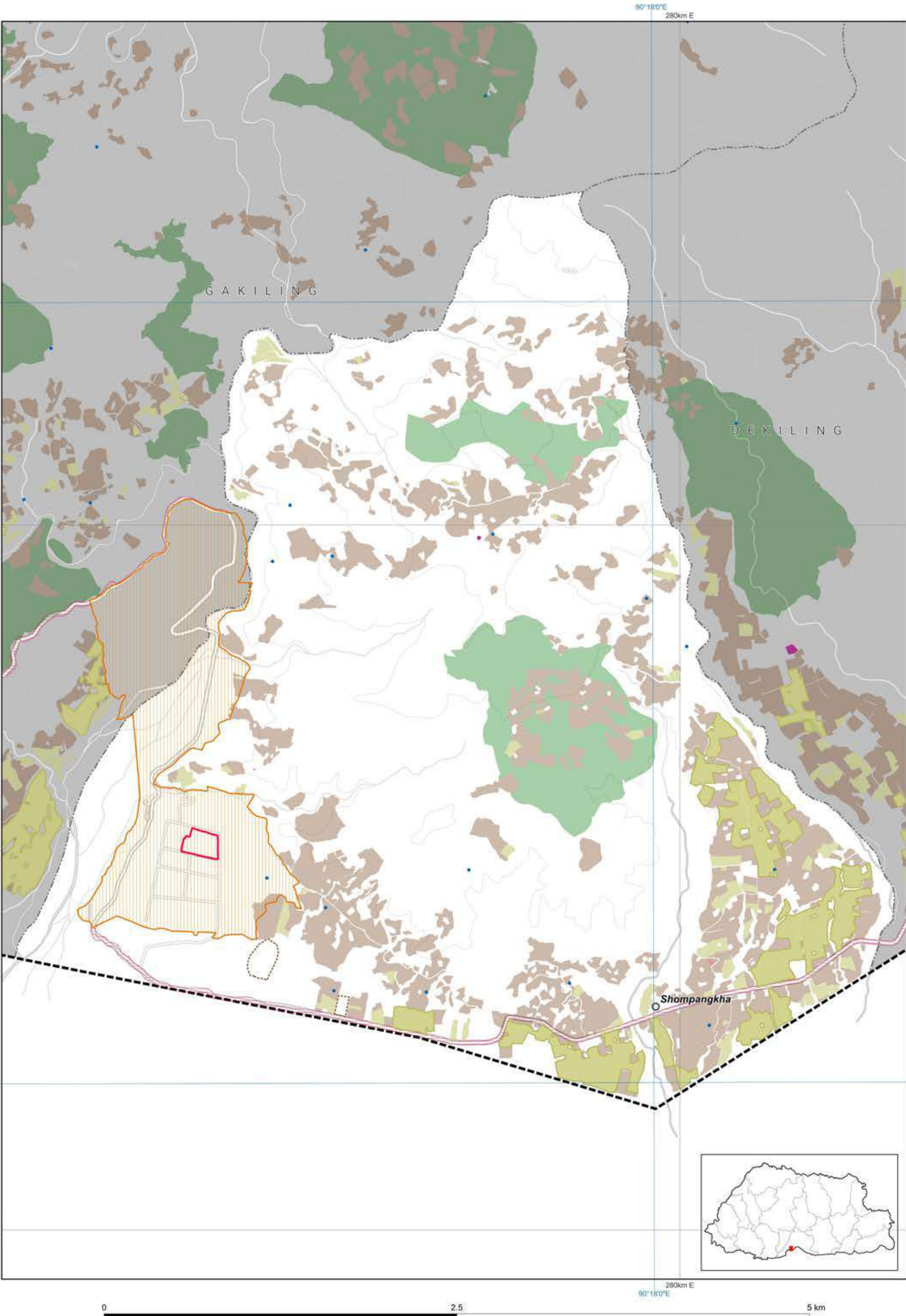
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Shompangkha	757	729	1,486	103.8	38.3	357
Sarpang Town	1,652	1,500	3,152	110.1	16.3	687

Disclaimer:

The demographic statistics provided in the table above for Sarpang Town encompass not only the area falling under the Shompangkha gewog but also include the demographic statistics of the town area falling under the Gakiling gewog. The same statistics for Sarpang town can be found under the Gakiling gewog.



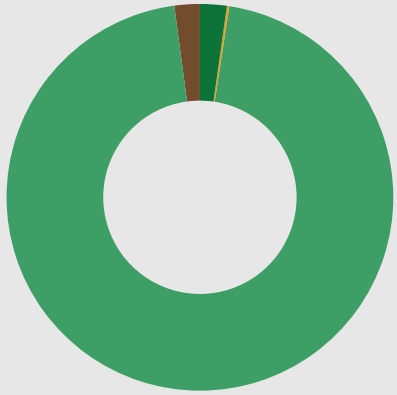
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Zone Area

Gewog	Singye
Gewog code	1313
Gewog area	53203.016
Zone	Area
Agriculture	1111.056
Cultural Heritage	1.352
Industrial	0
NCA	50062.049
Rangeland	0
Rural Settlement	105.841
SFMA	1171.088
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	926.214	0	0	0	0	0	0
NCA	926.214	0	945.542	0	1.352	0	101.777	0
Agriculture	0	945.542	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	1.352	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	101.777	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	5.227	0	0	0	1.505	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	45.826
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

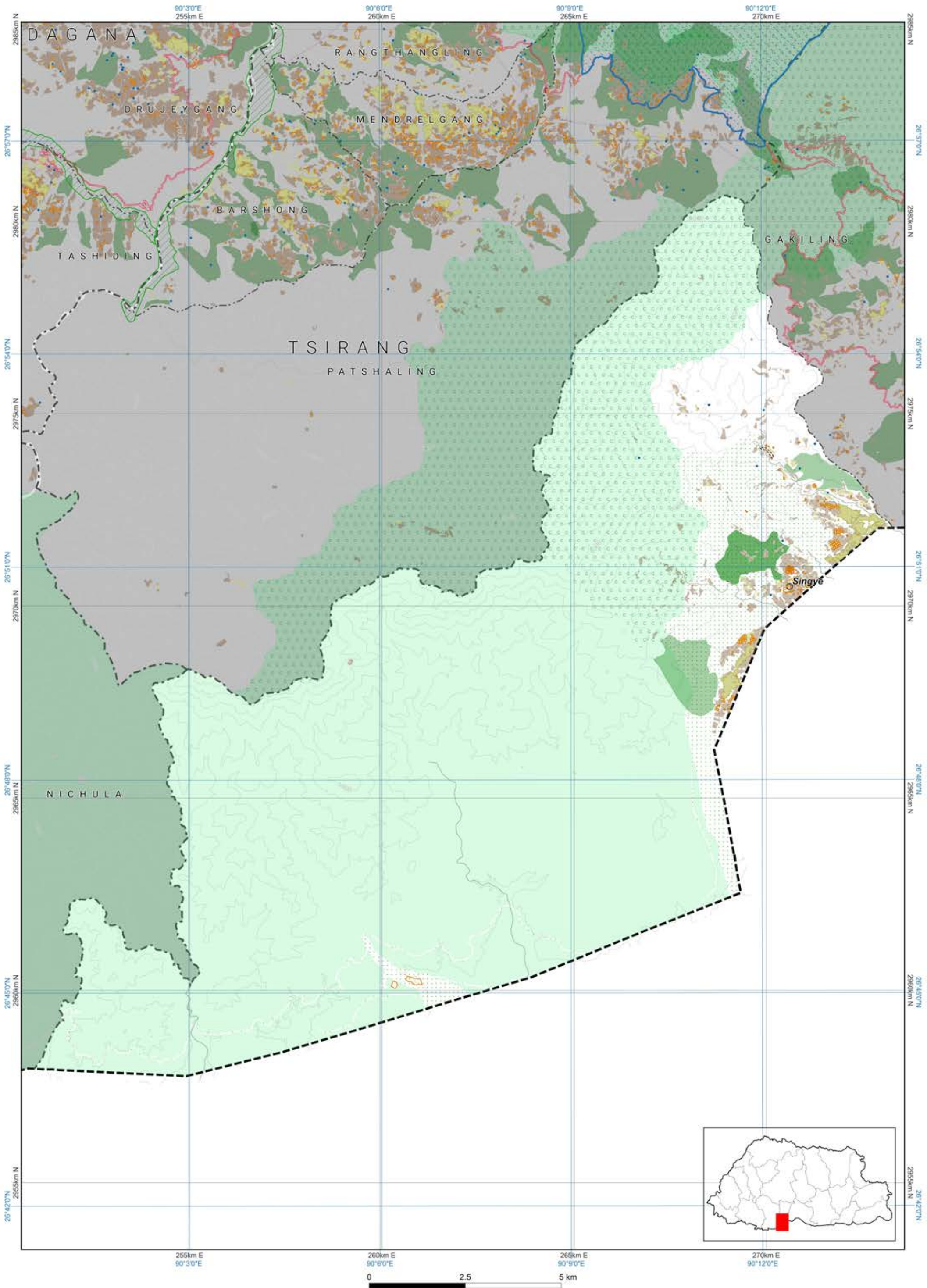
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
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Sarpang Singye

National Land Use Zoning 2023



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Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Singye	569	511	1,080	111.4	26.0	255

Mean Household size

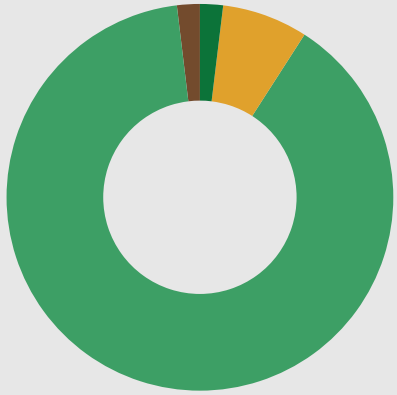
3.9





Zone Area

Gewog	Tareythang
Gewog code	1314
Gewog area	26797.904
Zone	Area
Agriculture	490.197
Cultural Heritage	1.276
Industrial	0.107
NCA	22908.509
Rangeland	0
Rural Settlement	1847.41
SFMA	493.911
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

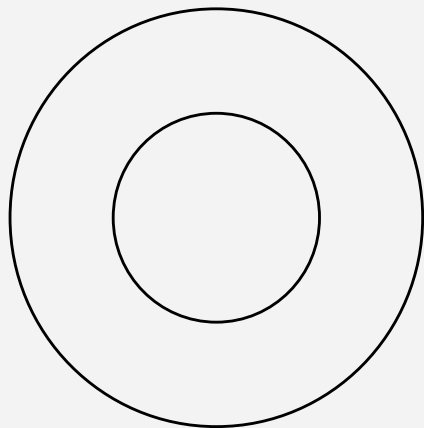
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0.322	0
NCA	0	0	0	0	0	0	0.546	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0.322	0.546	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
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  - Heritage Conservation Zone
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  - Urban Zone
- Nature Conservation Area
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    - Transition Zone
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- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog

- Rivers
  - Main river
  - Perennial

- Terrain
  - Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Data Ownership

Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

National Land Commission Secretariat

Demographic Table

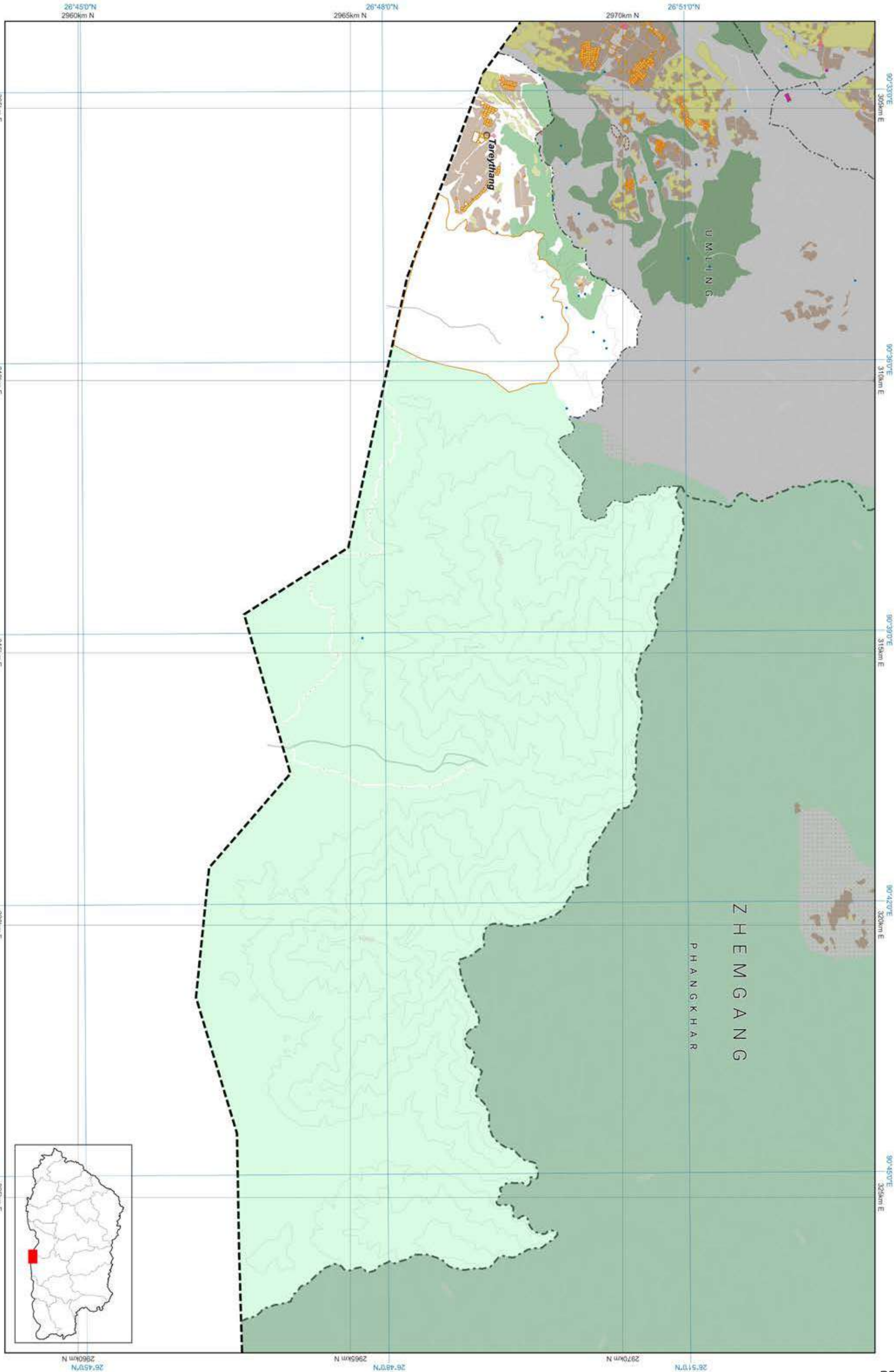
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Tareythang	225	126	351	178.6	21.8	82

3.4

Disclaimer: This map, designed by NLCB, is an essential component of the final edition of NLCB Baseline report 2023 and should be used along with the report. More specific information on the data is available from the official owner table on the opposite page.



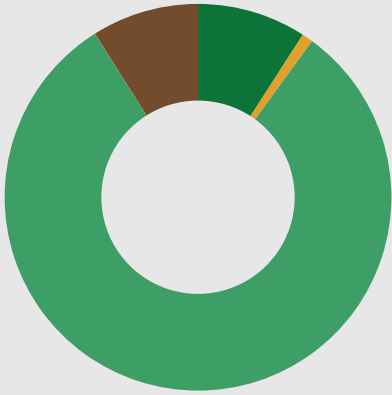
The scale of this map is determined by the gewog size. If required, based on the map of the required size can be obtained from NLCB upon request. This map is compiled from the data of multiple agencies.





Zone Area

Gewog	Umling
Gewog code	1315
Gewog area	30288.59
Zone	Area
Agriculture	1811.369
Cultural Heritage	3.205
Industrial	0
NCA	16397.806
Rangeland	0
Rural Settlement	189.964
SFMA	1841.905
Urban	0



All areas are in Acres.

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
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    - Highway 5k
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    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Zone Conflict

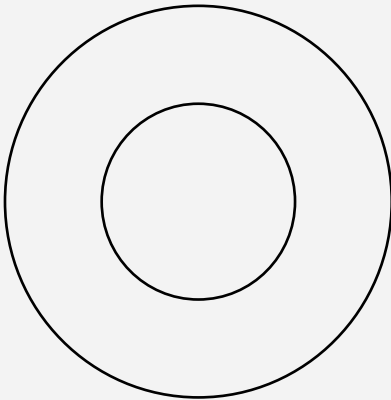
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

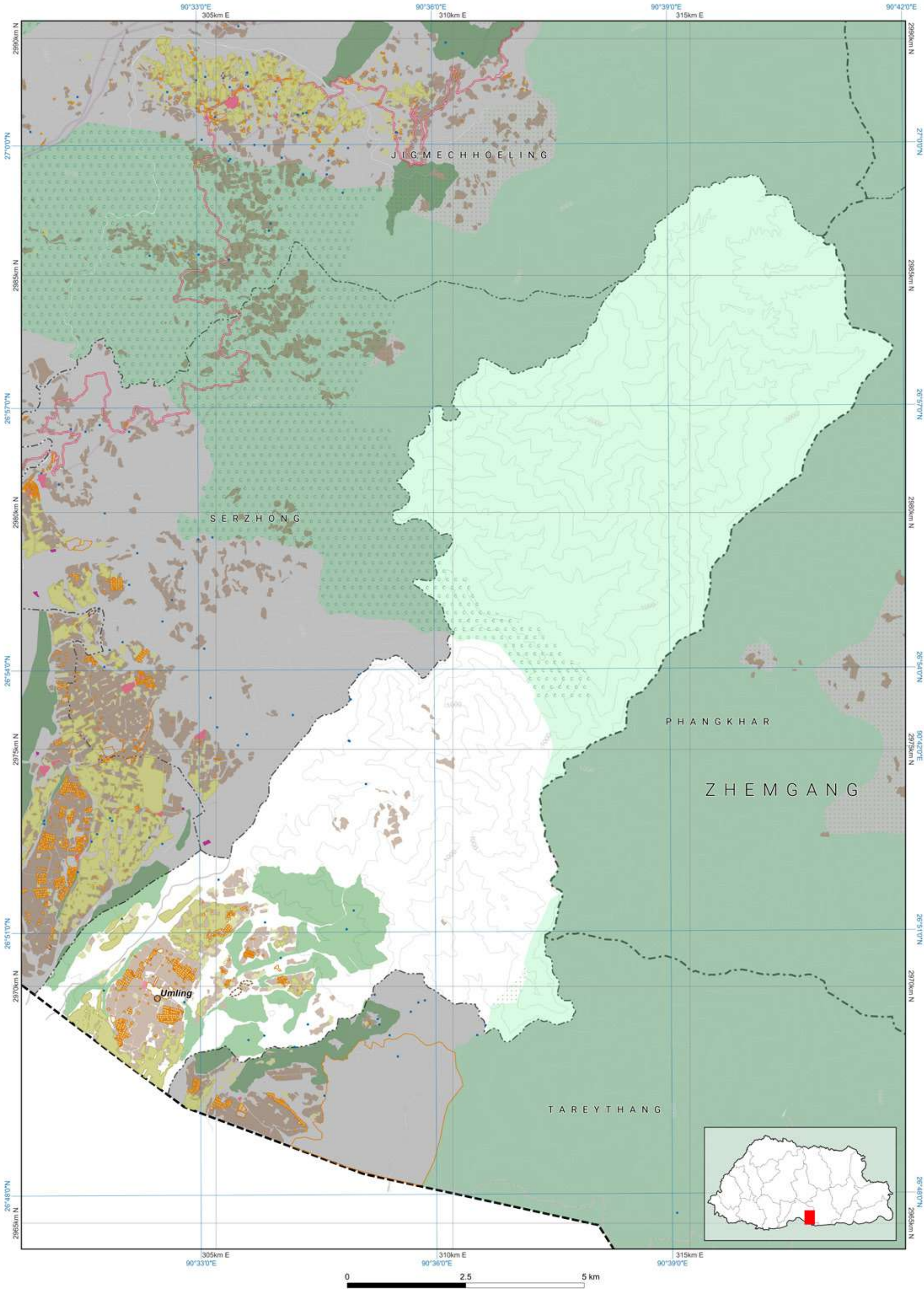
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population			Sex ratio	Aging Index
	Male	Female	Total		
Umling	754	832	1,586	90.6	28.2

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Sarpang: Umling

National Land Use Zoning 2023



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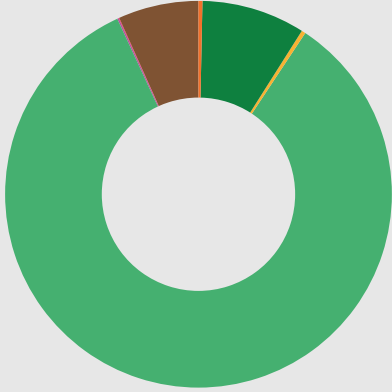
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



Zone Area

Dzongkhag	Tashi Yangtse
Dzongkhag code	16
Dzongkhag area	358432.323

Zone	Area
Agriculture	18836.474
Culture	117.806
Industrial	369.369
NCA	234701.148
Rangeland	0
Rural Settlement	940.928
SFMA	24223.665
Urban	922.201



All areas are in Acres.

- Agriculture
- Culture
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

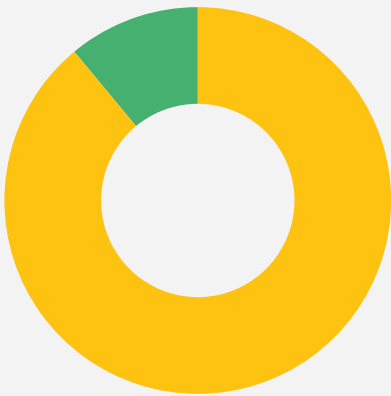
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	2230.687	172.53	0	0	0	4.489	0
NCA	2230.687	2735.048	0.00	0	7.119	0.19	183.525	0
Agriculture	172.53	2,735.05	0	0.657	7.135	0	0	0
Urban	0	0	0.657	0	43.815	0	0	0
Culture	0	7.119	7.135	43.815	0	0	0	0
Industrial	0	0.19	0	0	0	0	0	0
Rural Settlement	4.489	183.525	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	8.497	0	7.558	0	0	1.25	0.248	0
Road	0.052	0	28.412	0	0.69	6.924	2.348	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	31.528
Road	254.5
Flood Hazard	0.000
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

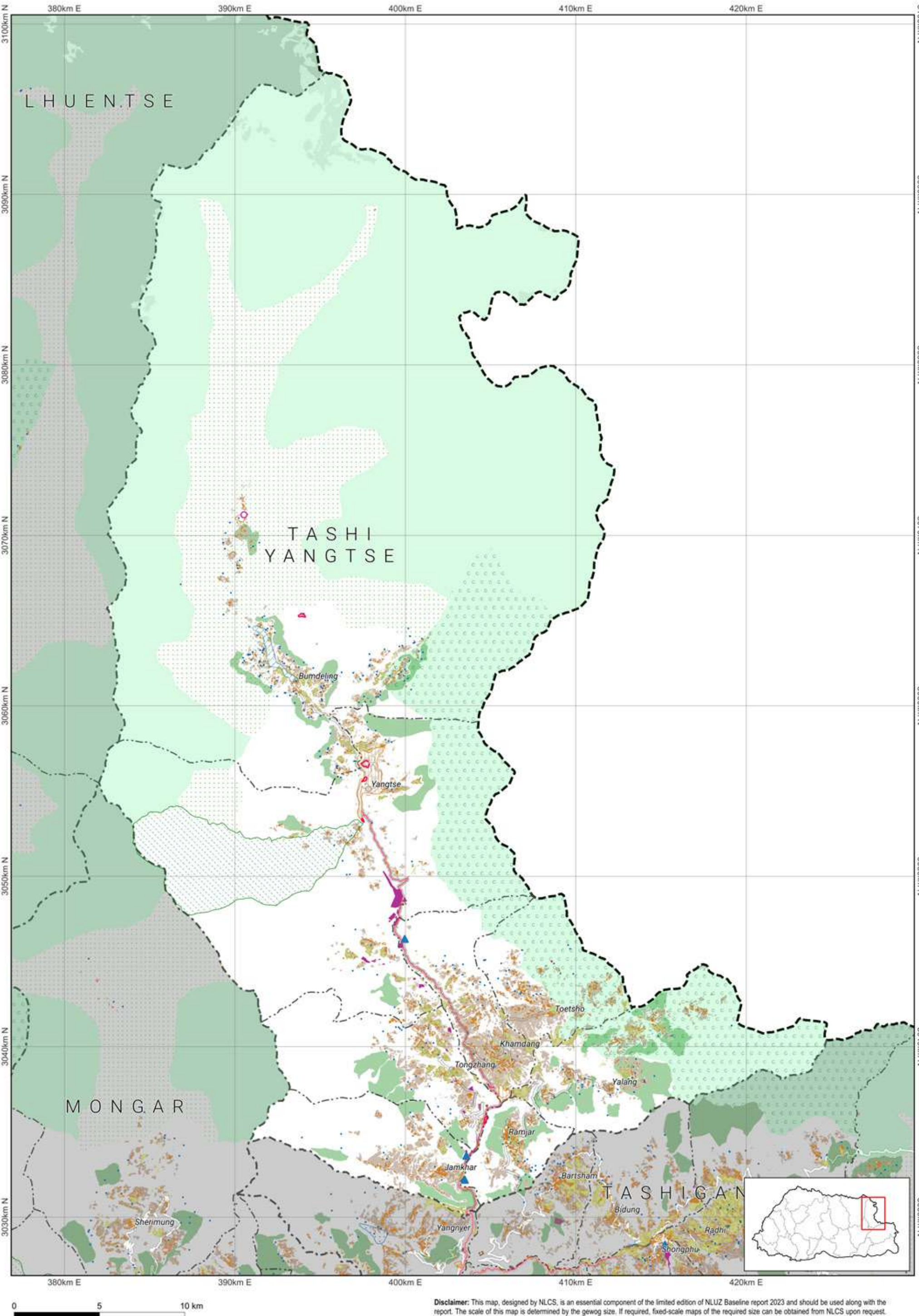
Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Tashi Yangtse	8,719	8,581	17,300	101.6	21.9	3,982	3.7

Map Legend

- National Land Use Zoning
- Agricultural Land
    - Kamzhing
    - Protected Chhuzhing
    - Regulated Chhuzhing
    - Lease Land
  - Rural Settlement
    - Residential Land
    - Institutional Land
  - Sustainable Forest Management Area
    - Forest Management Unit
    - Community Forest
  - Cultural Heritage
    - Religious Sites
    - Heritage Village
    - Heritage Conservation Zone
  - Urban
    - Urban Zone
  - Nature Conservation Area
    - Protected Area
      - Core Zone
      - Transition Zone
      - Buffer Zone
      - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake Outburst Flood
    - Right Of Way / Buffer
  - Heritage
    - Heritage
    - Road
    - Powerlines
    - Flight Funnel
  - Other Effective Area-based Conservation Measures
    - Key Biodiversity Area
    - High Conservation Value
  - Rangeland
    - Tsamdro
  - Significant Watershed
    - Potential Recharge Area
    - Payment for Ecosystem Services
    - Water Sources
  - Industrial
    - Manufacturing and Production
    - Service
    - Existing mines
    - Airport
    - Helipad
    - Hydro Power Plants
    - Hydro Power Waterways
- Basemap
- Boundaries
- International
  - Dzongkhag
  - Gewog
- Rivers
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  - Perennial
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  - Highway 50k
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  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Tashi Yangtse

National Land Use Zoning 2023

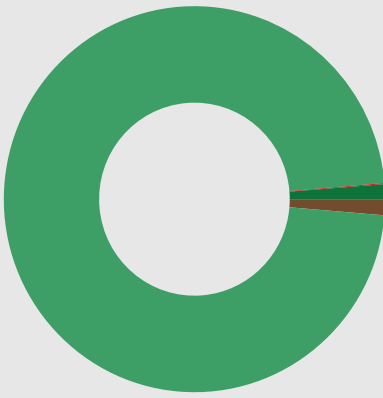




Zone Area

Gewog	Bumdeling
Gewog code	1601
Gewog area	211423.395

Zone	Area
Agriculture	2665.65
Cultural Heritage	21.744
Industrial	0.141
NCA	195104.821
Rangeland	0
Rural Settlement	185.359
SFMA	2495.955
Urban	0.743



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

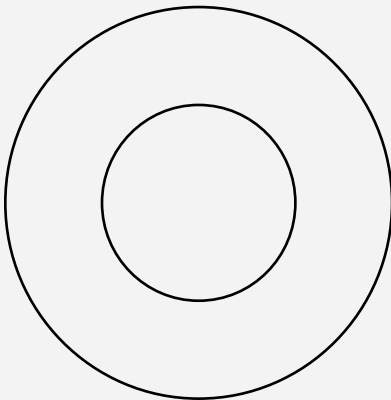
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	974.351	0.00	0	0	0	0	0
NCA	974.351	0	1,118.89	0	4.265	0.091	111.104	0
Agriculture	0	1118.893	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	4.265	0	0	0	0	0	0
Industrial	0	0.091	0	0	0	0	0	0
Rural Settlement	0	111.104	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land**
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
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  - Residential Land
  - Institutional Land
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  - Forest Management Unit
  - Community Forest
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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban**
  - Urban Zone
- Nature Conservation Area**
  - Protected Area**
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland**
    - Ramsar Site
  - Hazard and Risk**
    - Rain Induced Flood
    - Glacier Lake
    - Outburst Flood
    - Right Of Way / Buffer
    - Heritage
    - Road
    - Powerlines
    - Flight Funnel
  - Other Effective Area-based Conservation Measures**
    - Key Biodiversity Area
    - High Conservation Value
  - Rangeland**
    - Tsamdro
  - Significant Watershed**
    - Potential Recharge Area
    - Payment for Ecosystem Services
    - Water Sources
  - Industrial**
    - Manufacturing and Production
    - Service
    - Existing mines
    - Airport
    - Helipad
    - Hydro Power Plants
    - Hydro Power Waterways
- Basemap**
  - Boundaries**
    - International
    - Dzongkhag
    - Gewog
  - Rivers**
    - Main river
    - Perennial
  - Terrain**
    - Contour
  - Roads for different map scales**
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

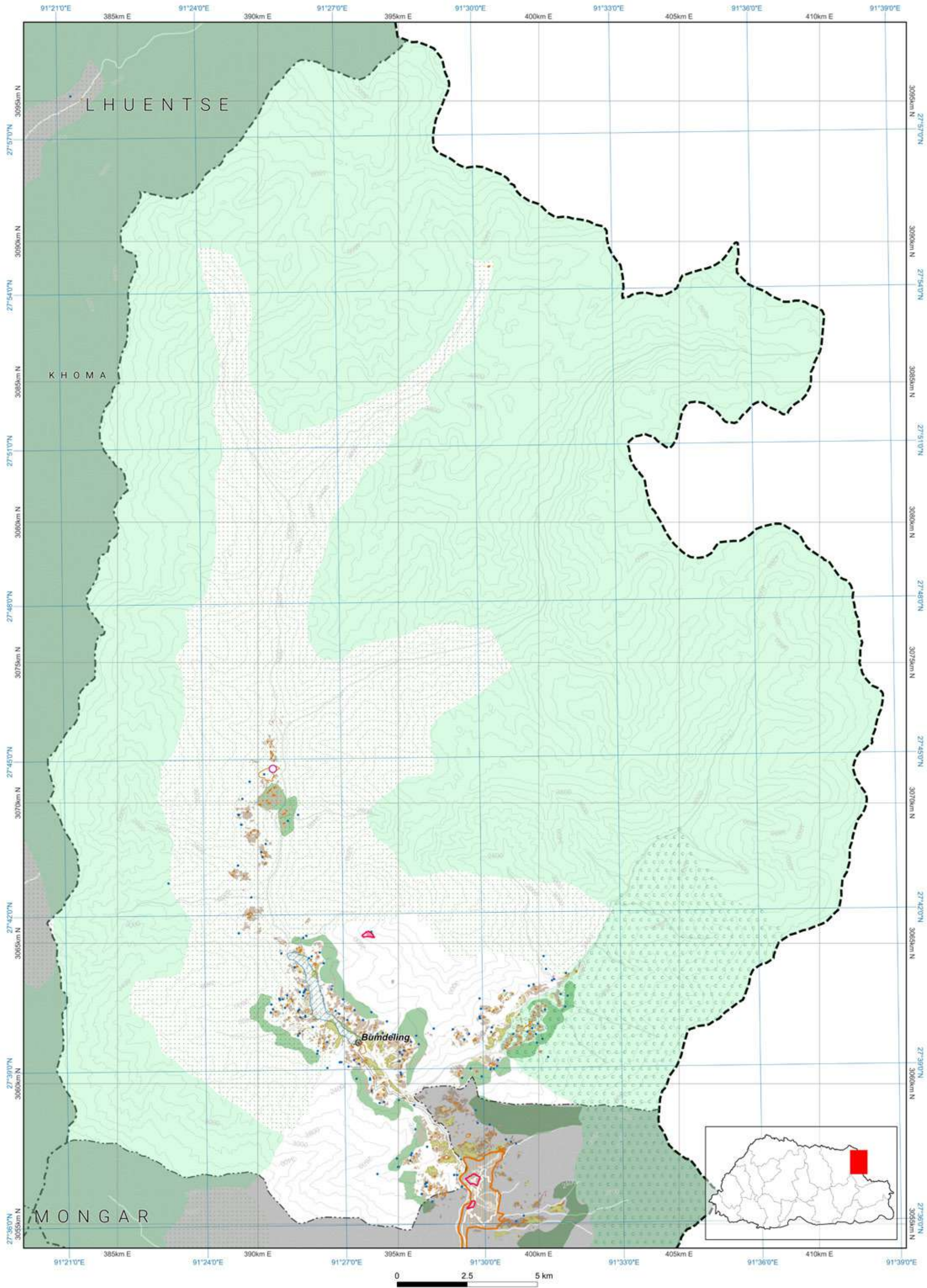
- Data Owner of the Map Content**
  - Department of Agriculture
  - Ministry of Agriculture and Livestock
- Department of Forests and Park Services**
  - Ministry of Energy and Natural Resources
- Department of Water**
  - Ministry of Energy and Natural Resources
- Department of Culture and Dzongkha Development**
  - Ministry of Home Affairs
- Department of Air Transport**
  - Ministry of Infrastructure and Transport
- Department of Human Settlement**
  - Ministry of Infrastructure and Transport
- National Centre for Hydrology and Meteorology**
- National Land Commission Secretariat**

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Bumdeling	1,043	1,099	2,142	94.9	18.3	460

Tashi Yangtse: Bumdeling

National Land Use Zoning 2023



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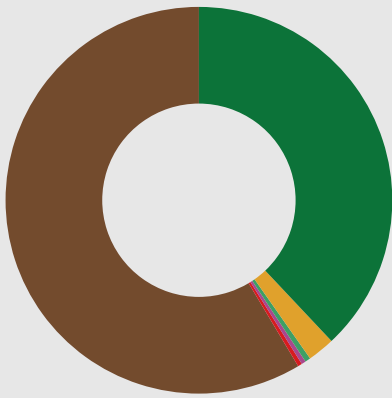


JAMKHAR

Zone Area

Gewog	Jamkhar
Gewog code	1602
Gewog area	12694.646

Zone	Area
Agriculture	2079.802
Cultural Heritage	12.495
Industrial	12.763
NCA	16.326
Rangeland	0
Rural Settlement	80.632
SFMA	1348.308
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	8.497	0	7.558	0	0	0.717	0.248	0
Road	0.052	0	3.781	0	0	1.335	0.135	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	29.243
Road	40.066
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone

- Urban
  - Urban Zone

Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

Rangeland

- Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

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Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
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Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
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- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
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Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

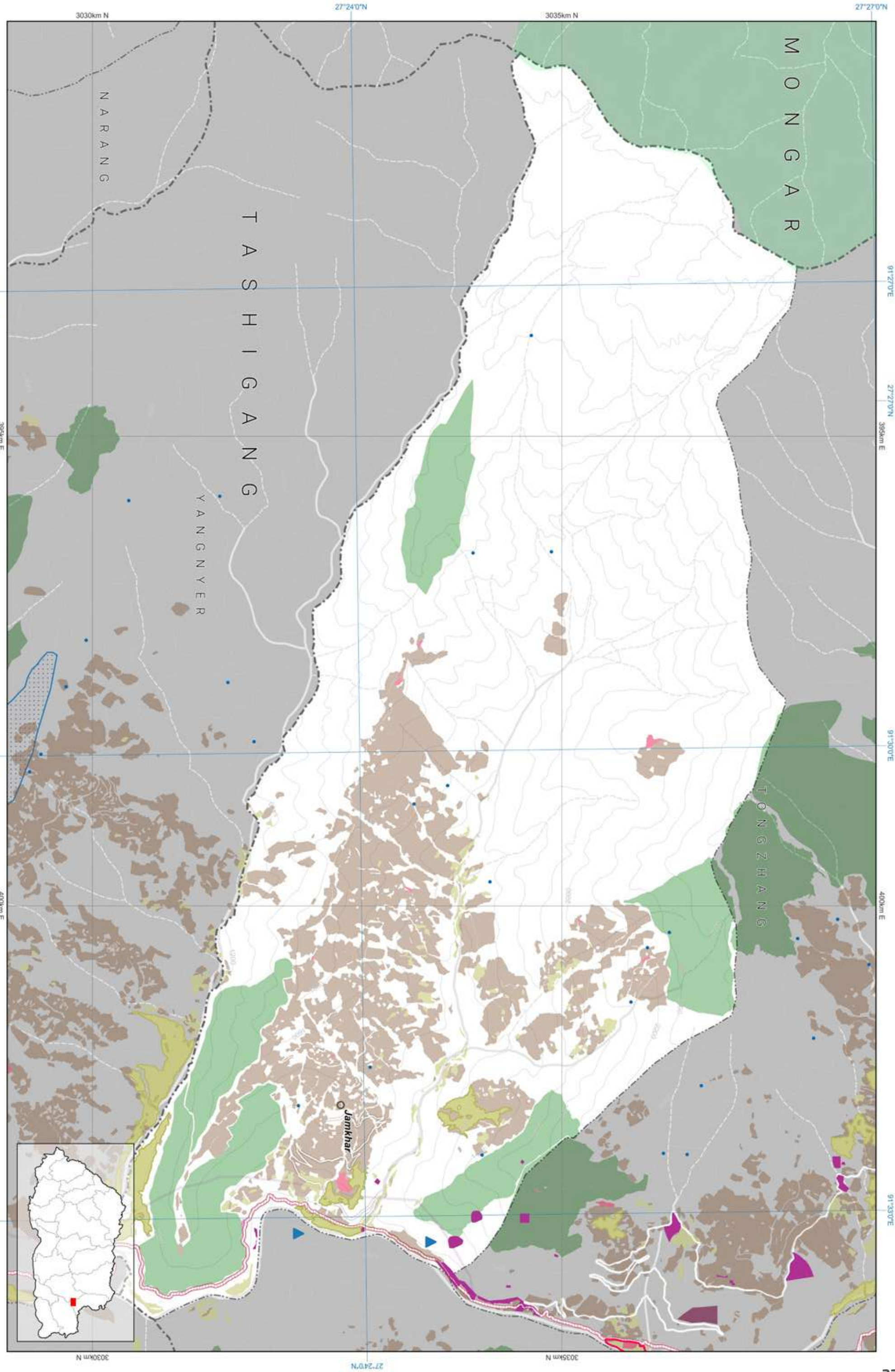
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Jamkhar	516	483	999	106.8	45.3	302

3.3

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Tashi Yangtse: Jamkhar

National Land Use Zoning 2023



TASHI YANGTSE

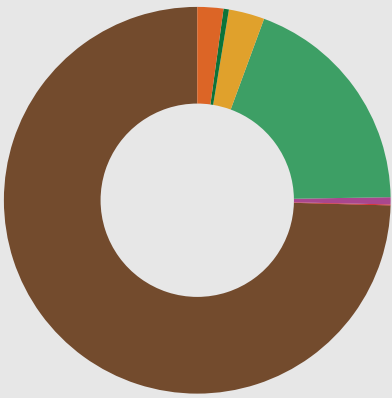




Zone Area

Gewog	Khamdang
Gewog code	1603
Gewog area	11148.508

Zone	Area
Agriculture	3561.848
Cultural Heritage	3.744
Industrial	28.767
NCA	913.783
Rangeland	0
Rural Settlement	143.146
SFMA	21.445
Urban	103.578



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	1890.826	0	0	0	0
Urban	0	0	1890.826	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	20.592	0	0	1.12	0.795	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	116.662
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

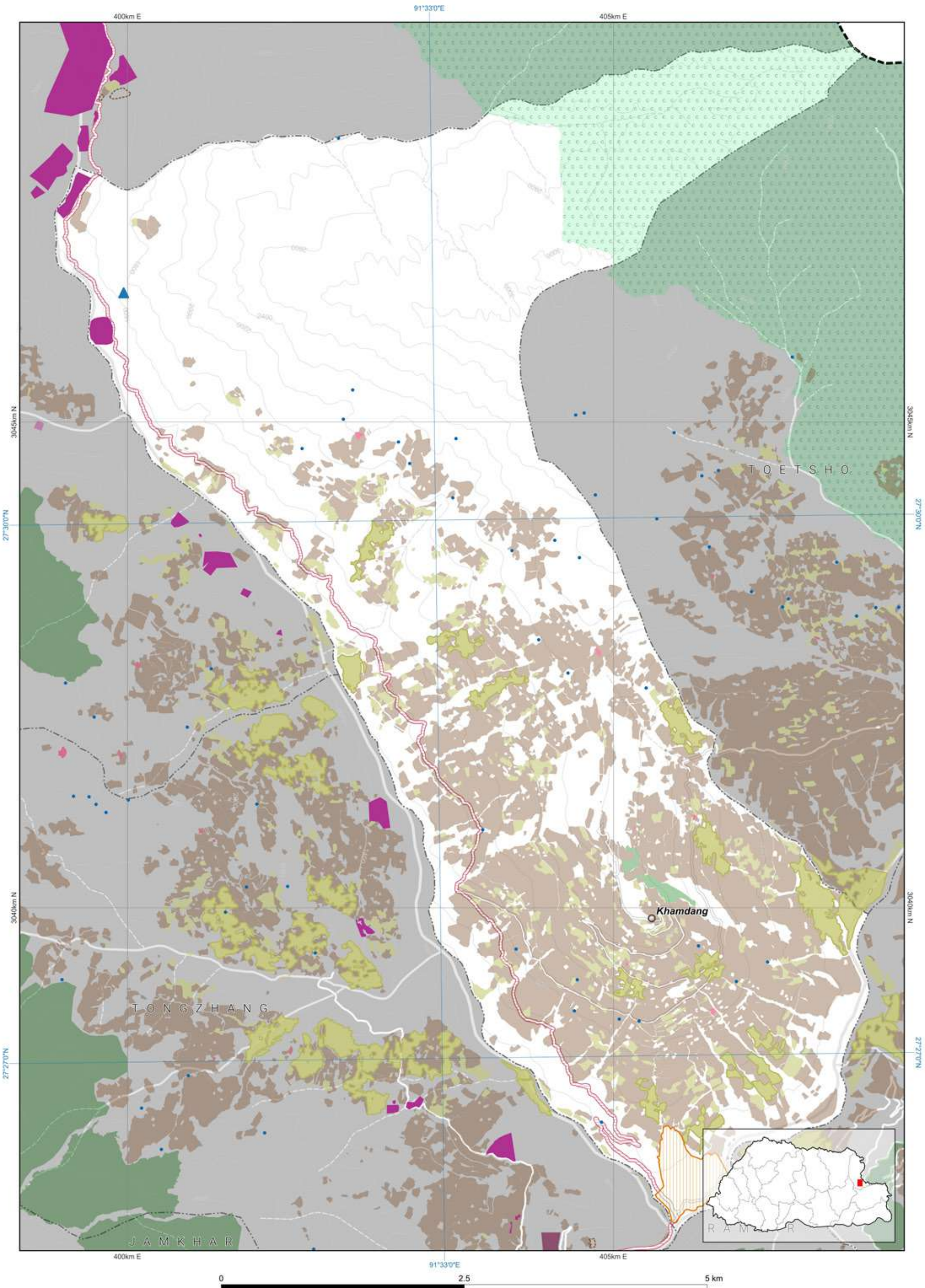
- Agricultural Land
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  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Khamdang	1,644	1,668	3,312	98.6	17.7	3.9
Duksum Town	226	134	360	168.7	13.3	3.1



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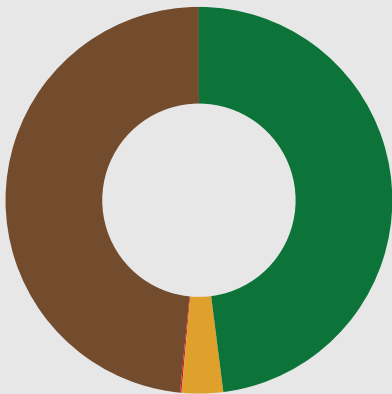




Zone Area

Gewog	Ramjar
Gewog code	1604
Gewog area	5653.82

Zone	Area
Agriculture	1132.235
Cultural Heritage	2.752
Industrial	0.167
NCA	0
Rangeland	0
Rural Settlement	80.724
SFMA	1121.557
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.02	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0.02	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0.017	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0.053
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
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    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

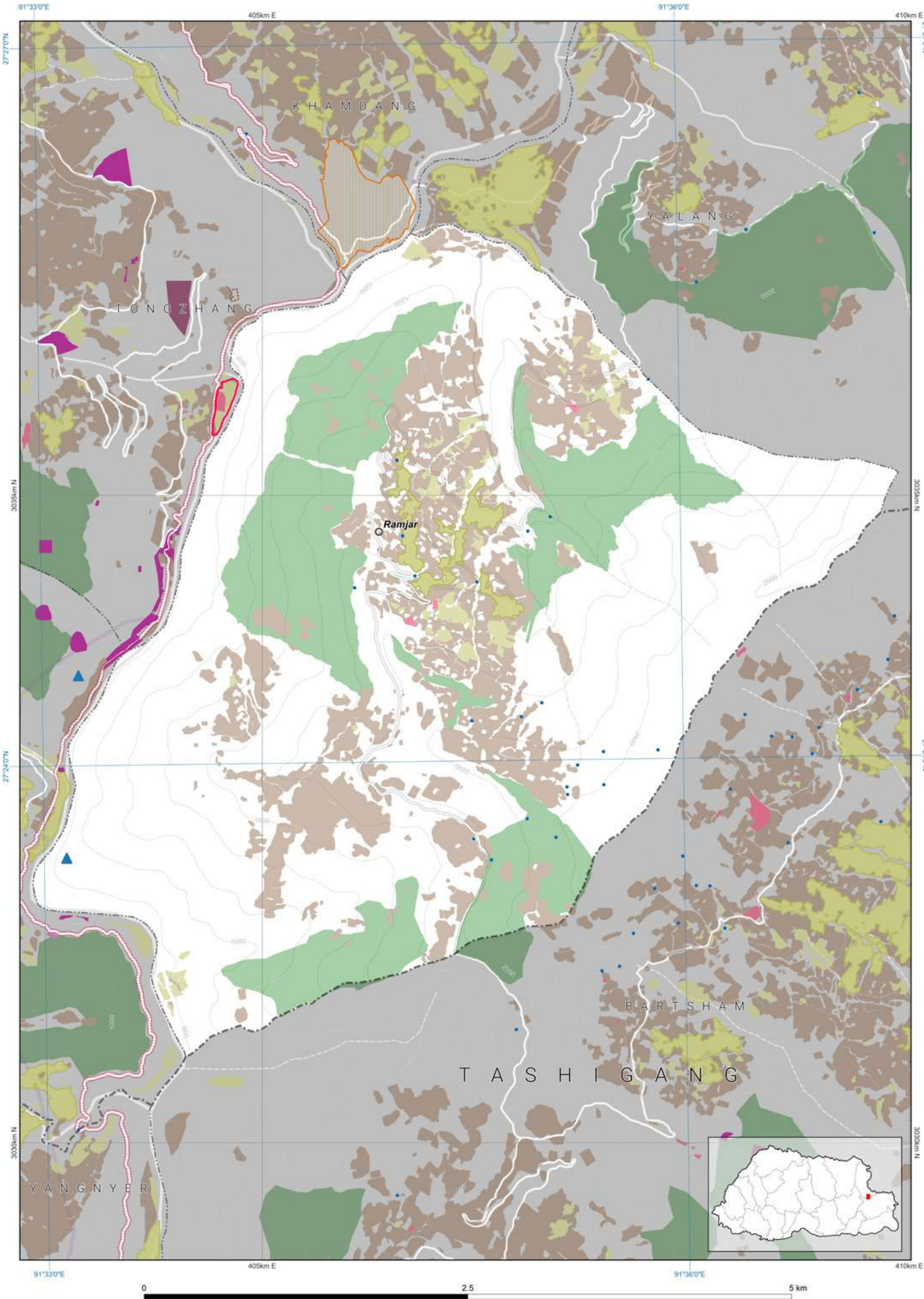
Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Ramjar	624	589	1,213	105.9	23.7	303

3.1



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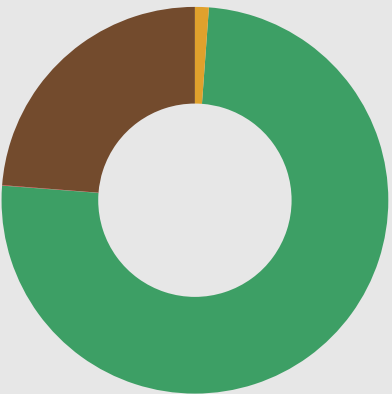




Zone Area

Gewog	Toetsho
Gewog code	1605
Gewog area	12105.703

Zone	Area
Agriculture	2460.7
Cultural Heritage	4.243
Industrial	0
NCA	7775.376
Rangeland	0
Rural Settlement	119.622
SFMA	0
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	644.57	0	0.95	0	32.449	0
Agriculture	0	644.57	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0.95	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	32.449	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0.917	0	5.050	0	0	0	0.115	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	14.436
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Data Ownership

Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Culture and Dzongkha Development  
Ministry of Home Affairs

Department of Human Settlement  
Ministry of Infrastructure and Transport

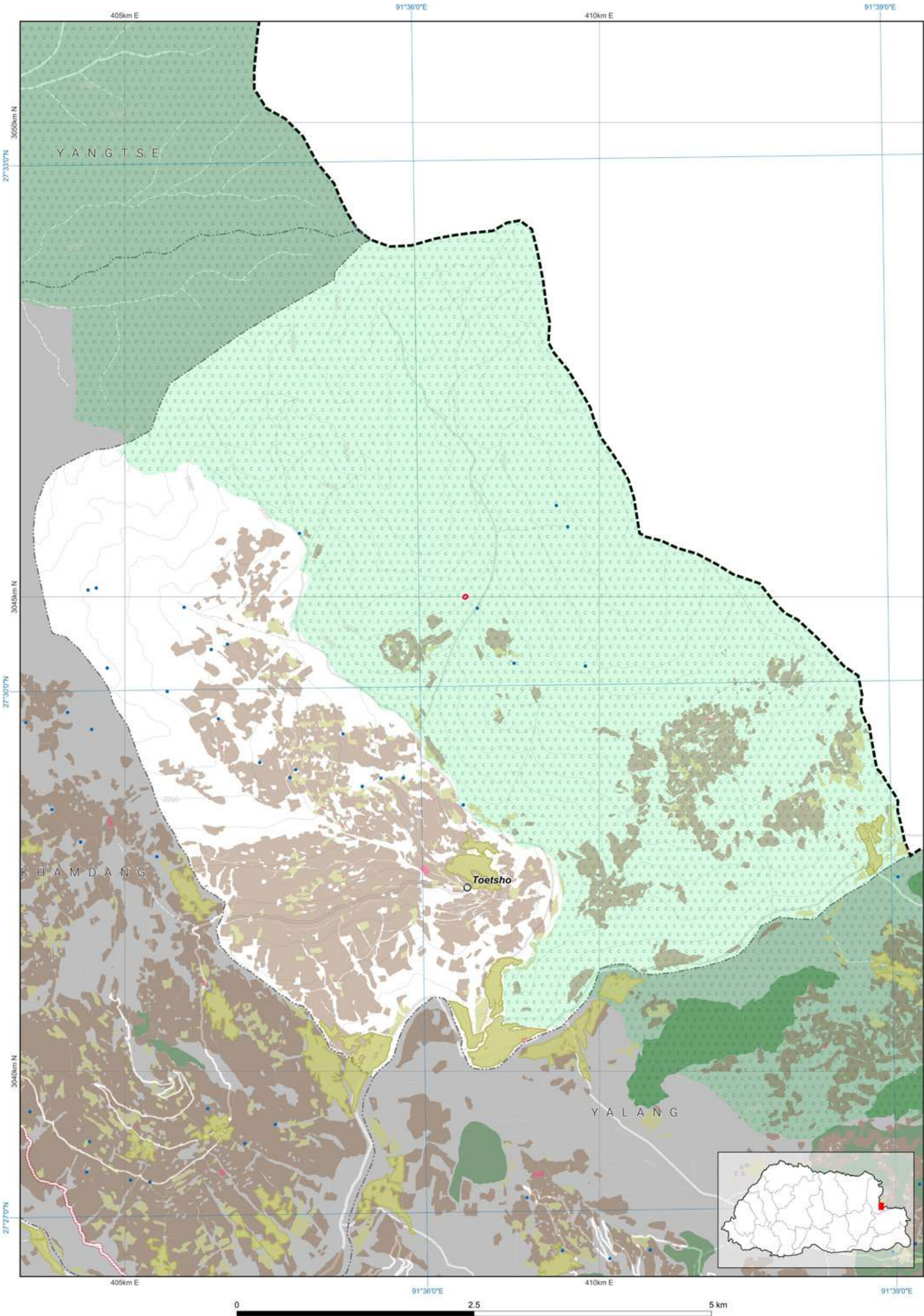
Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Toetsho	744	836	1,580	89	22.8	426

		Mean Household size	
Toetsho		3.5	



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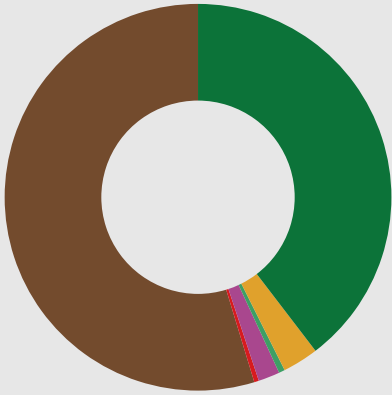
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



Zone Area

Gewog	Tongzhang
Gewog code	1606
Gewog area	16101.642

Zone	Area
Agriculture	2191.888
Cultural Heritage	15.554
Industrial	72.227
NCA	20.105
Rangeland	0
Rural Settlement	120.213
SFMA	1586.929
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	7.131	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	7.131	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0.532	0	0
Road	0	0	2.806	0	0.69	2.412	1.233	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	2.285
Road	29.418
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

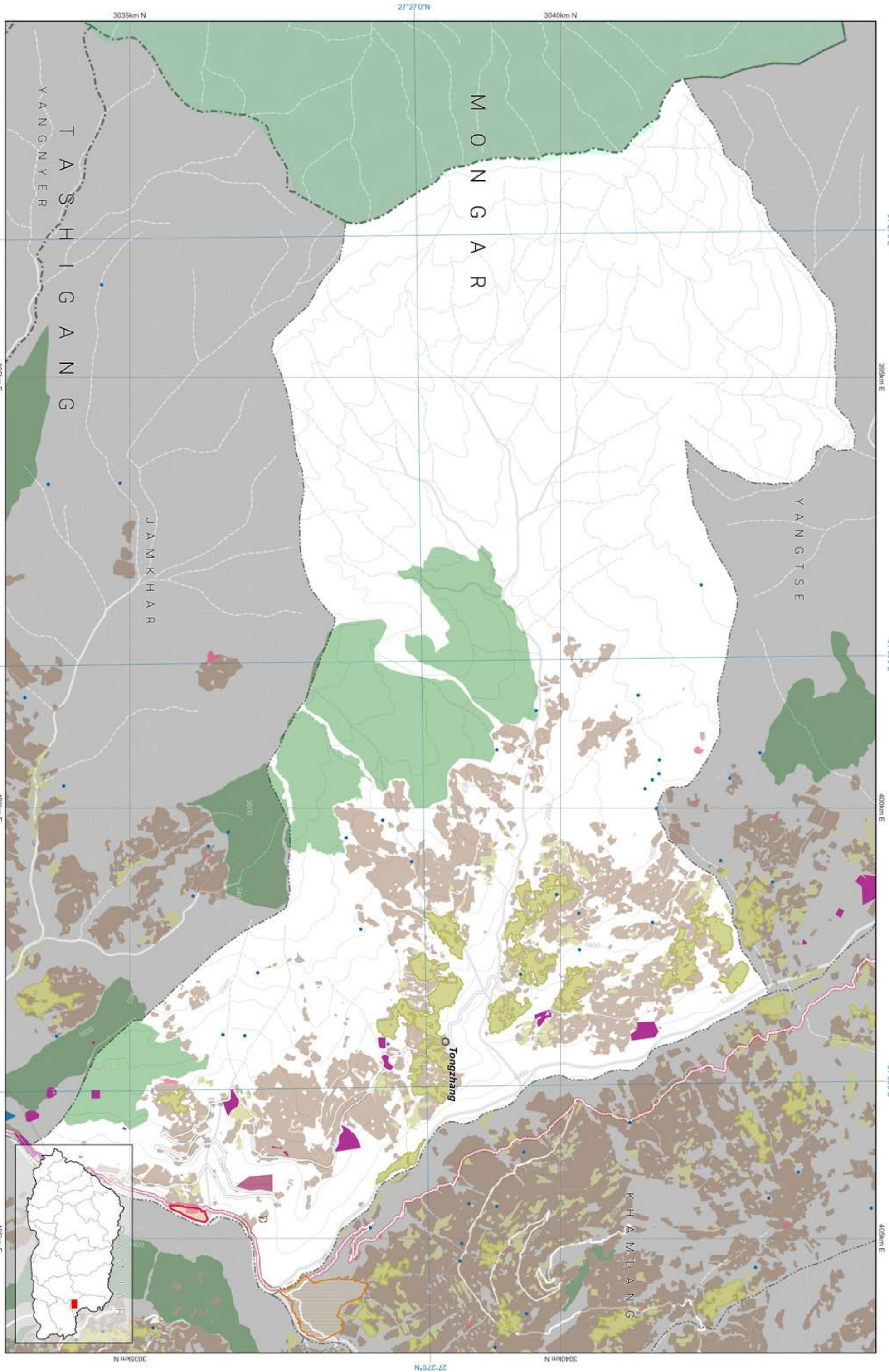
National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
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  - Forest Management Unit
  - Community Forest
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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
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- Industrial
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  - Service
  - Existing mines
  - Airport
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  - Hydro Power Plants
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Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
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  - Dzongkhag 50k
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  - Thromde 25k
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  - Access 5k
  - Industrial 5k
  - Farm 5k

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Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Demographic Table

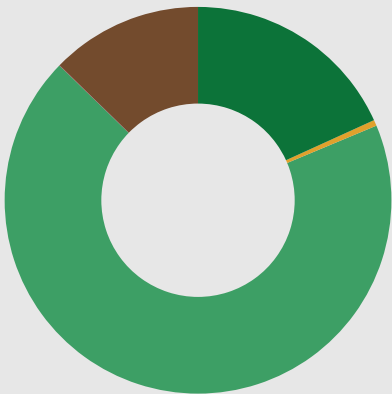
Gewog wise Key Demographic Indicators, 2017 ( Source: NSE, PHCS 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Tongzhang	890	892	1,782	98.8	26.8	360
						3.6





## Zone Area

Gewog	Yalang
Gewog code	1607
Gewog area	22288.734
Zone	Area
Agriculture	2493.983
Cultural Heritage	5.124
Industrial	0.15
NCA	13463.506
Rangeland	0
Rural Settlement	97.226
SFMA	3573.053
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

## Zone Conflict

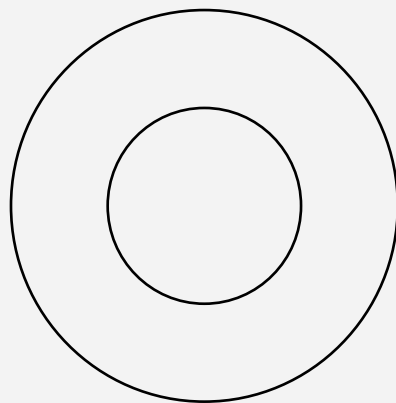
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	1248.338	0.00	0	0	0	0	0
NCA	1248.338	0	969.96	0	1.9	0.099	0	0
Agriculture	0.00	969.96	0	0	0	0	39.858	0
Urban	0	0	0	0	0	0	0	0
Culture	0	1.9	0	0	0	0	0	0
Industrial	0	0.099	0	0	0	0	0	0
Rural Settlement	0	39.858	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Yalang	687	685	1,372	100.3	39.2	390

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
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  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
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  - Outburst Flood
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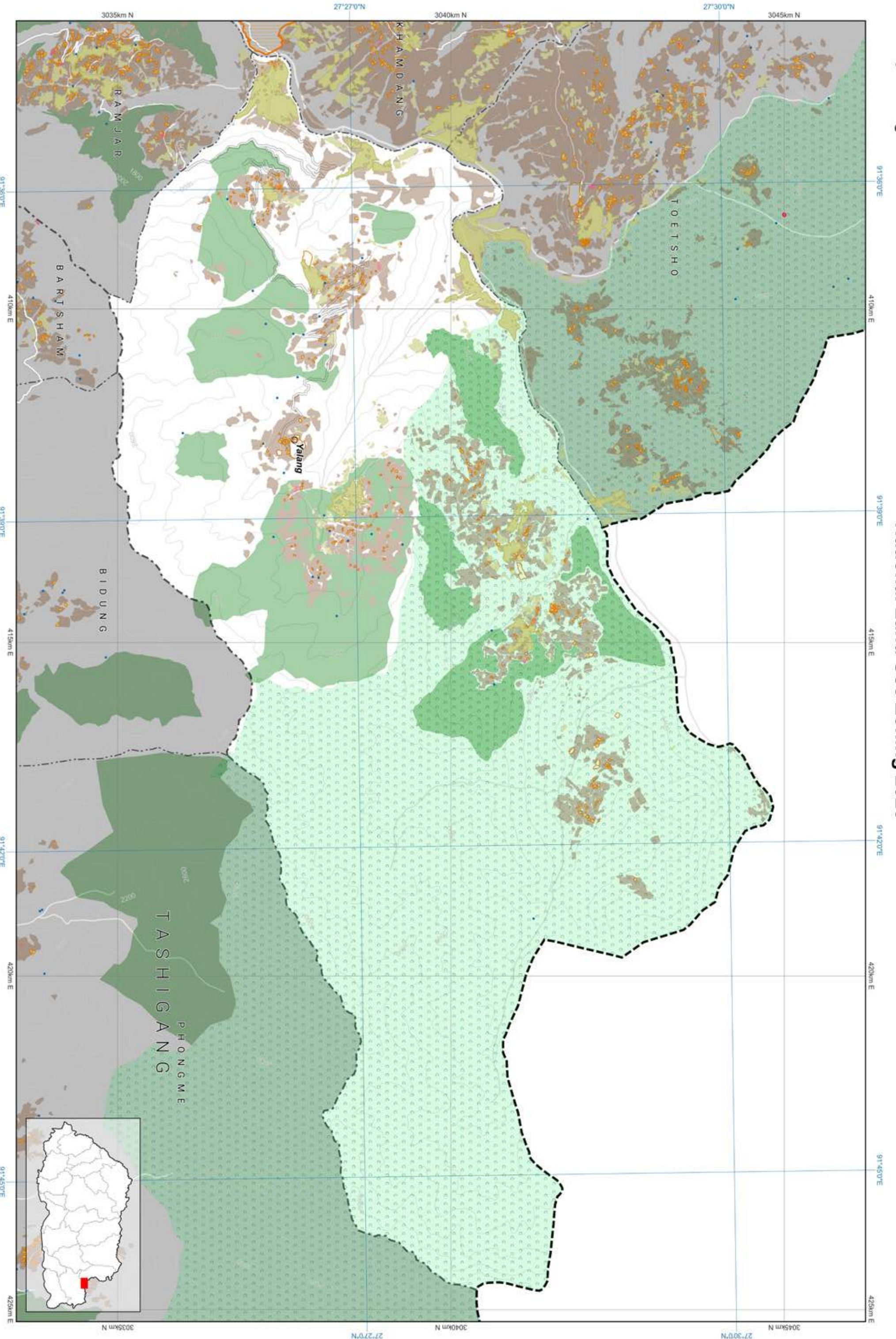
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Department of Forests and Park Services Ministry of Energy and Natural Resources
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Department of Water Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development Ministry of Home Affairs
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National Land Commission Secretariat

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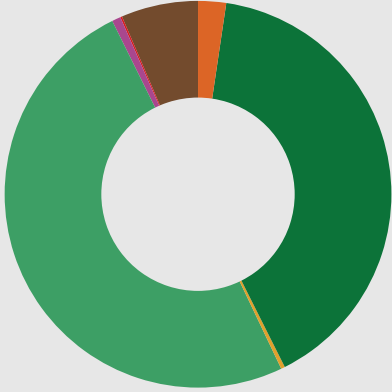




Zone Area

Gewog	Yangtse
Gewog code	1608
Gewog area	66821.479

Zone	Area
Agriculture	2250.369
Cultural Heritage	52.151
Industrial	255.153
NCA	17397.979
Rangeland	0
Rural Settlement	114.006
SFMA	14076.42
Urban	817.88



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	6.66	172.42	0	0	0	4.486	0
NCA	6.66	0	0.00	0	0	0	0.012	0
Agriculture	172.42	0.00	0	0.643	0	0	0	0
Urban	0	0	0.643	0	43.791	0	0	0
Culture	0	0	0	43.791	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	4.486	0.012	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	1.233	0	0	2.041	0.185	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	68.301
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
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  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

- Rangeland
  - Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

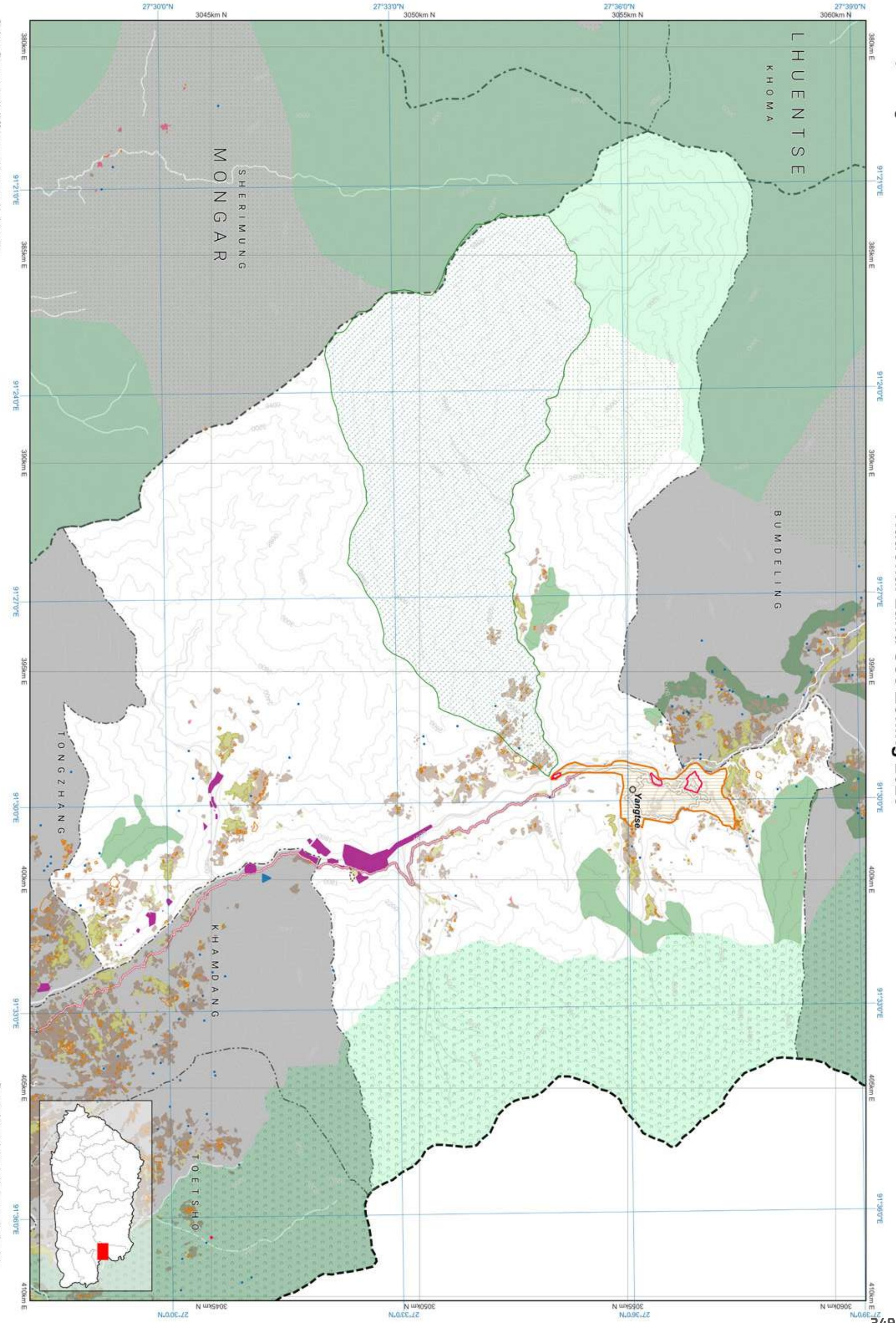
Roads for different map scales

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- Industrial 5k
- Farm 5k

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Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Yangtse	684	669	1,353	102.2	26.1	4.2
Trashi Yangtse Town	1,661	1,526	3,187	108.8	11.3	3.9

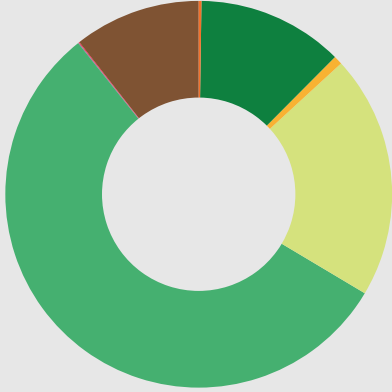
Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development Ministry of Home Affairs
National Land Commission Secretariat



Zone Area

Dzongkhag	Tashigang
Dzongkhag code	15
Dzongkhag area	544770.782
Zone	Area
Agriculture	40833.164
Culture	220.713
Industrial	258.765
NCA	214843.607
Rangeland	78581.516
Rural Settlement	2818.857
SFMA	47089.124
Urban	886.918



All areas are in Acres.

- Agriculture
- Culture
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

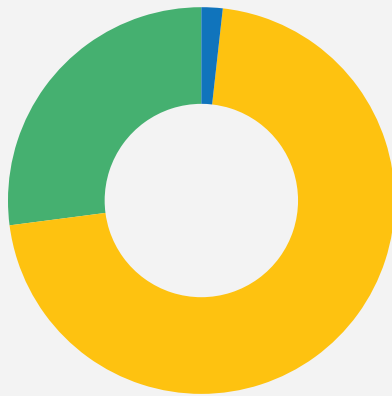
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	4827.813	2,657.76	0	5.714	0.4	362.86	0
NCA	4827.813	0	1,311.01	99.753	14.085	2.321	206.277	66821.229
Agriculture	2,657.76	1,311.01	0	302.264	0	0	0	1.366
Urban	0	99.753	302.264	0	20.013	9.312	80.737	0
Culture	5.714	14.085	0	20.013	0	0	0	0
Industrial	0.4	2.321	0	9.312	0	0	0	0
Rural Settlement	362.86	206.277	0	80.737	0	0	0	0
Rangeland	0	66821.229	1.366	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	80.58	4.871	32.990	0	0	0	4.428	0
Road	231.634	28.397	64.111	0	0.43	0.599	32.807	0
Flood Hazard	0	0	0.705	14.125		0.016	2.17	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	333.08
Road	876.49
Flood Hazard	21.827
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Tashigang	23,414	22,104	45,518	105.9	26.7	10,720
						Mean Household size
						3.5

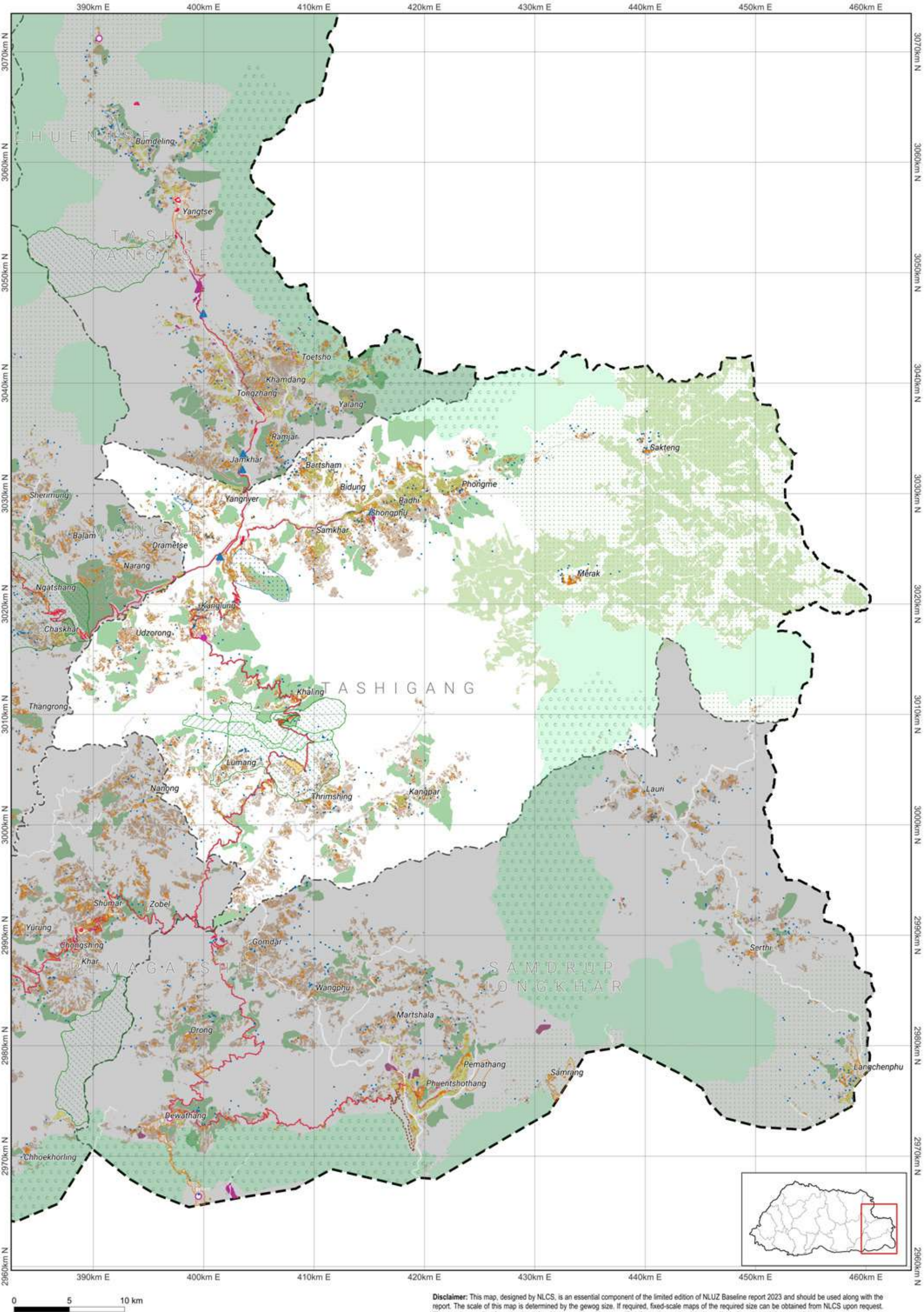
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake Outburst Flood
    - Right Of Way / Buffer
  - Heritage
    - Heritage
    - Road
    - Powerlines
    - Flight Funnel
  - Other Effective Area-based Conservation Measures
    - Key Biodiversity Area
    - High Conservation Value
  - Rangeland
    - Tsamdro
  - Significant Watershed
    - Potential Recharge Area
    - Payment for Ecosystem Services
    - Water Sources
  - Industrial
    - Manufacturing and Production
    - Service
    - Existing mines
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    - Helipad
    - Hydro Power Plants
    - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Tashigang

National Land Use Zoning 2023



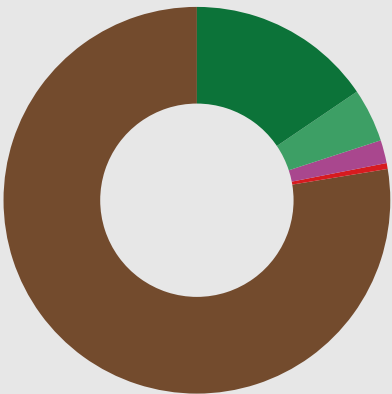
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Zone Area

Gewog	Bartsham
Gewog code	1501
Gewog area	8613.891
Zone	Area
Agriculture	1947.229
Cultural Heritage	12.412
Industrial	48.523
NCA	112.314
Rangeland	0
Rural Settlement	0
SFMA	389.192
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

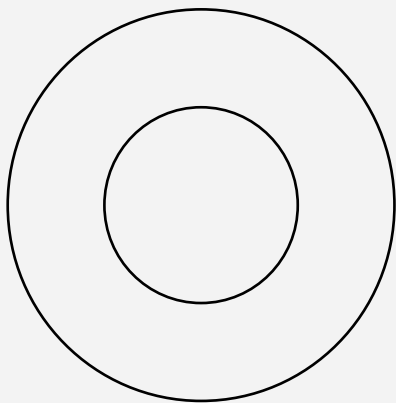
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
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  - Institutional Land
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  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
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  - Hydro Power Waterways
- Basemap
  - Boundaries
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    - Dzongkhag
    - Gewog
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    - Main river
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    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Demographic Table

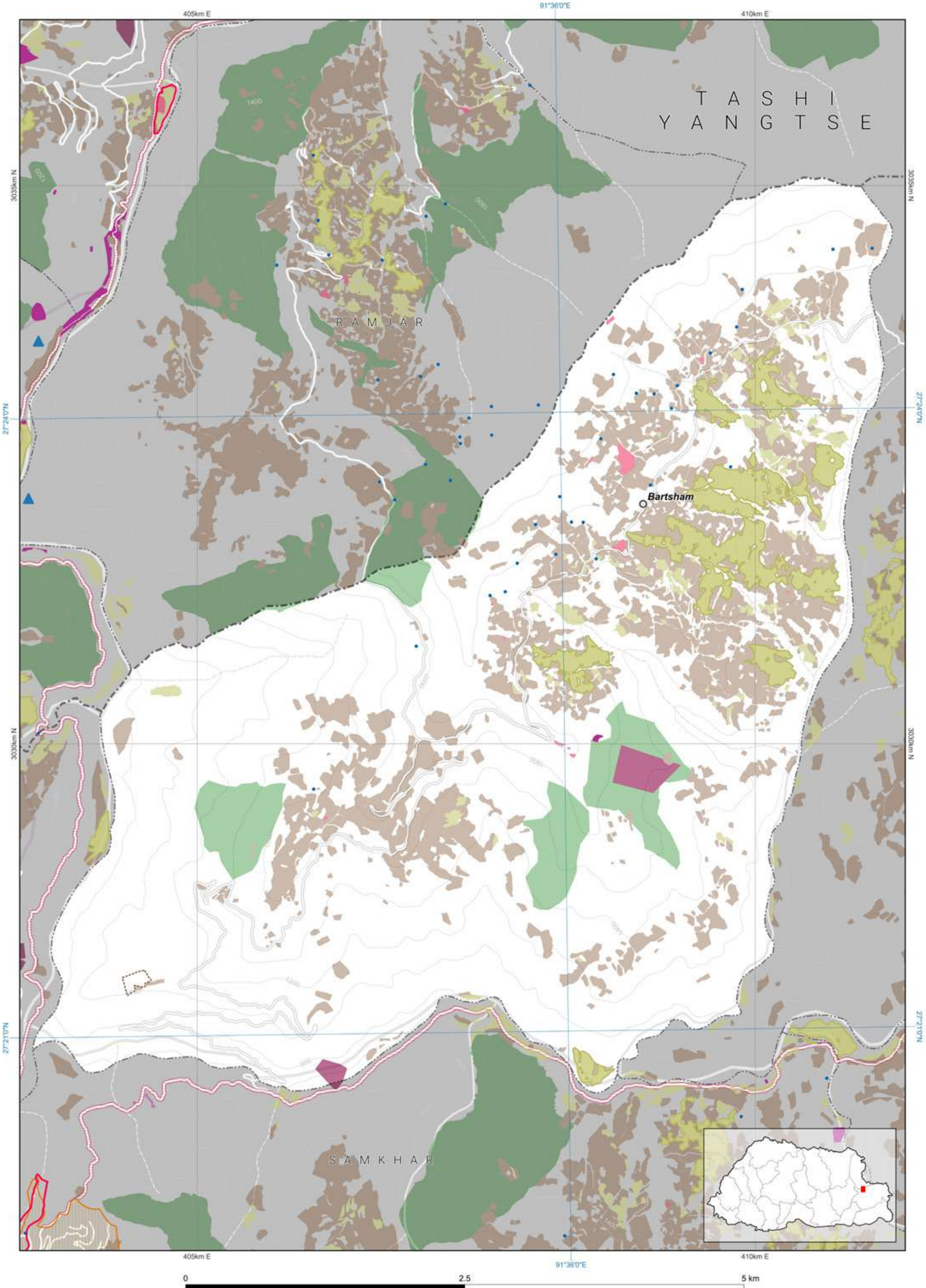
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population			Sex ratio	Aging Index
	Male	Female	Total		
Bartsham	951	837	1,788	113.6	28.7

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Tashigang: Bartsham

National Land Use Zoning 2023



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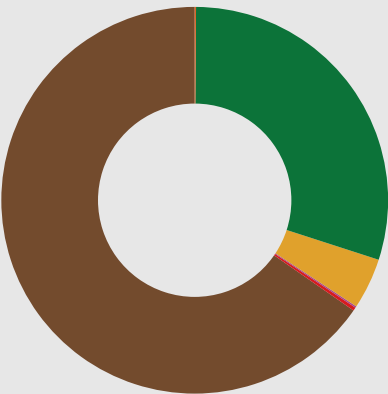


BIDUNG

Zone Area

Gewog	Bidung
Gewog code	1502
Gewog area	11380.733

Zone	Area
Agriculture	1887.645
Cultural Heritage	8.027
Industrial	3.599
NCA	0.137
Rangeland	0
Rural Settlement	123.328
SFMA	862.941
Urban	3.151



All areas are in Acres.



Zone Conflict

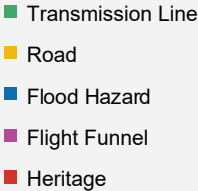
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0.159	0.643	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

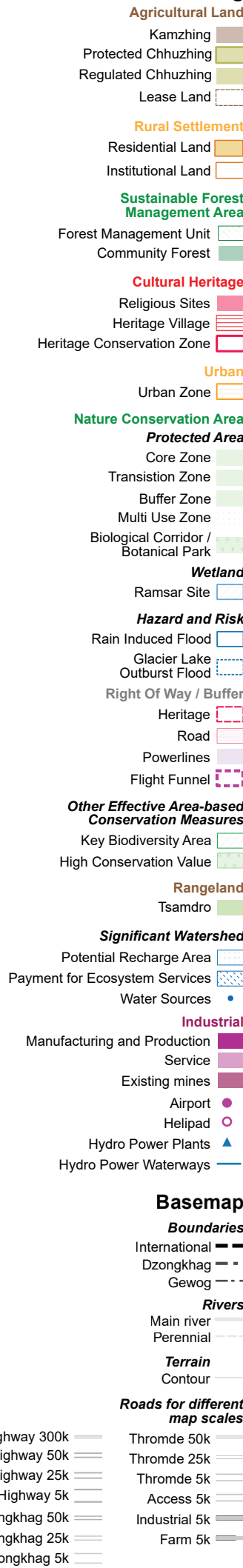
RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	5.592
Flight Funnel	0
Heritage	0



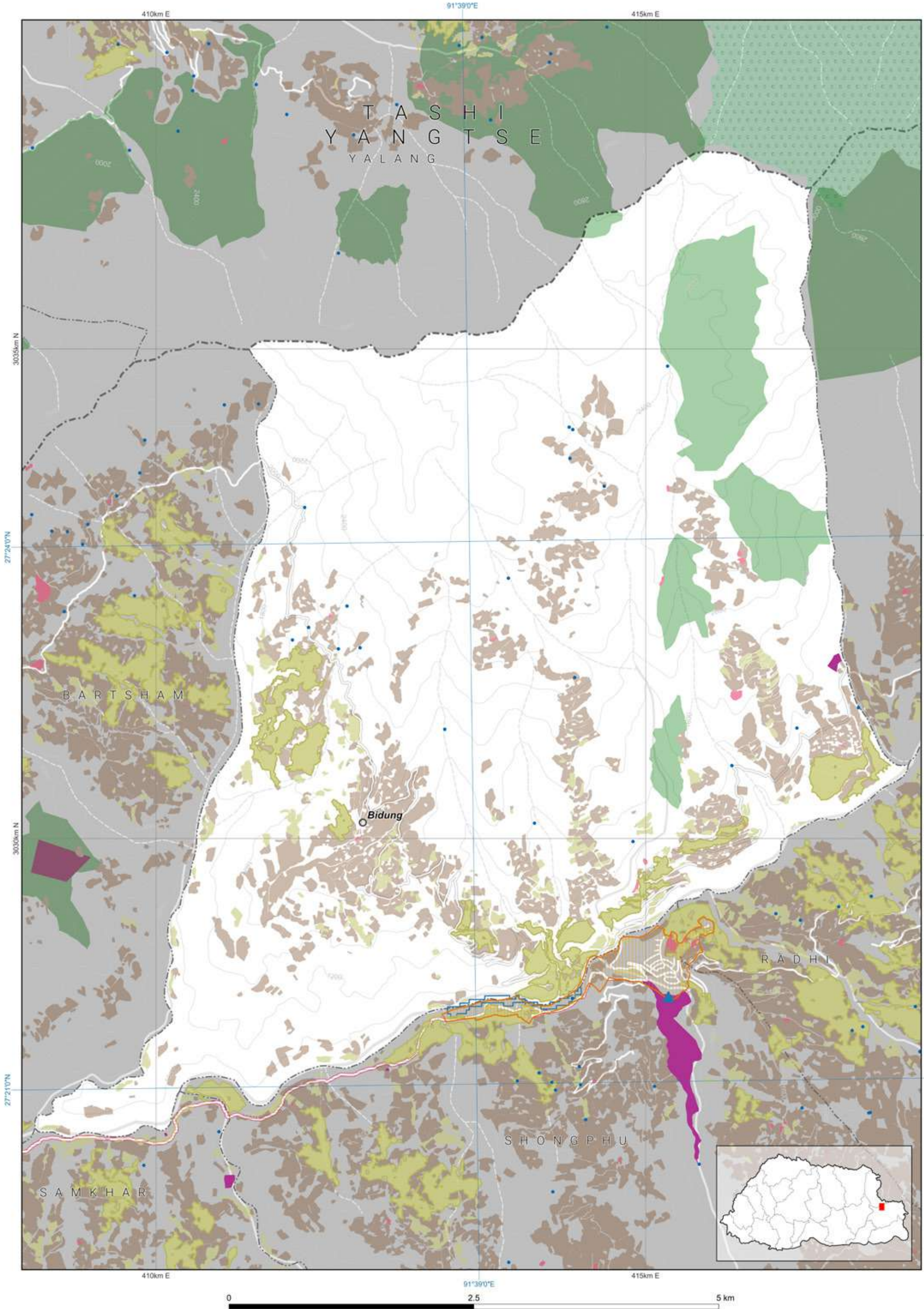
Map Legend

National Land Use Zoning



Tashigang: Bidung

National Land Use Zoning 2023



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Data Ownership

Data Owner of the Map Content

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Ministry of Agriculture and Livestock
- Department of Forests and Park Services  
Ministry of Energy and Natural Resources
- Department of Water  
Ministry of Energy and Natural Resources
- Department of Human Settlement  
Ministry of Infrastructure and Transport
- National Centre for Hydrology and Meteorology
- National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Bidung	694	727	1,421	95.5	28.7	409

Mean Household size

3.1



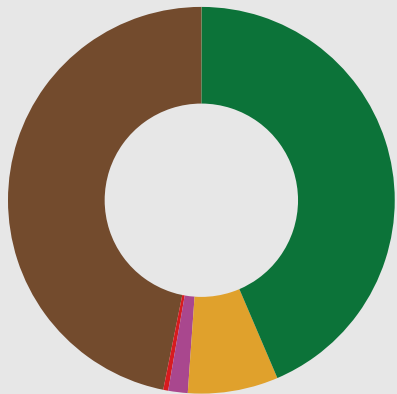


KANGLUNG

Zone Area

Gewog	Kanglung
Gewog code	1503
Gewog area	16283.215

Zone	Area
Agriculture	2771.981
Cultural Heritage	24.45
Industrial	96.233
NCA	0
Rangeland	0
Rural Settlement	446.905
SFMA	2577.853
Urban	



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
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  - Powerlines
  - Flight Funnel
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  - High Conservation Value
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    - Gewog
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    - Main river
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  - Terrain
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    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	6.43	0	6.849	0	0	0	3.556	0
Road	0	0	27.973	0	0.429	0.233	15.175	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	93.749
Road	192.421
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

TASHIGANG

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Kanglung	2,166	1,927	4,093	112.4	18.5	967
Kanglung Town	1,778	1,445	3,223	123.0	17.8	436

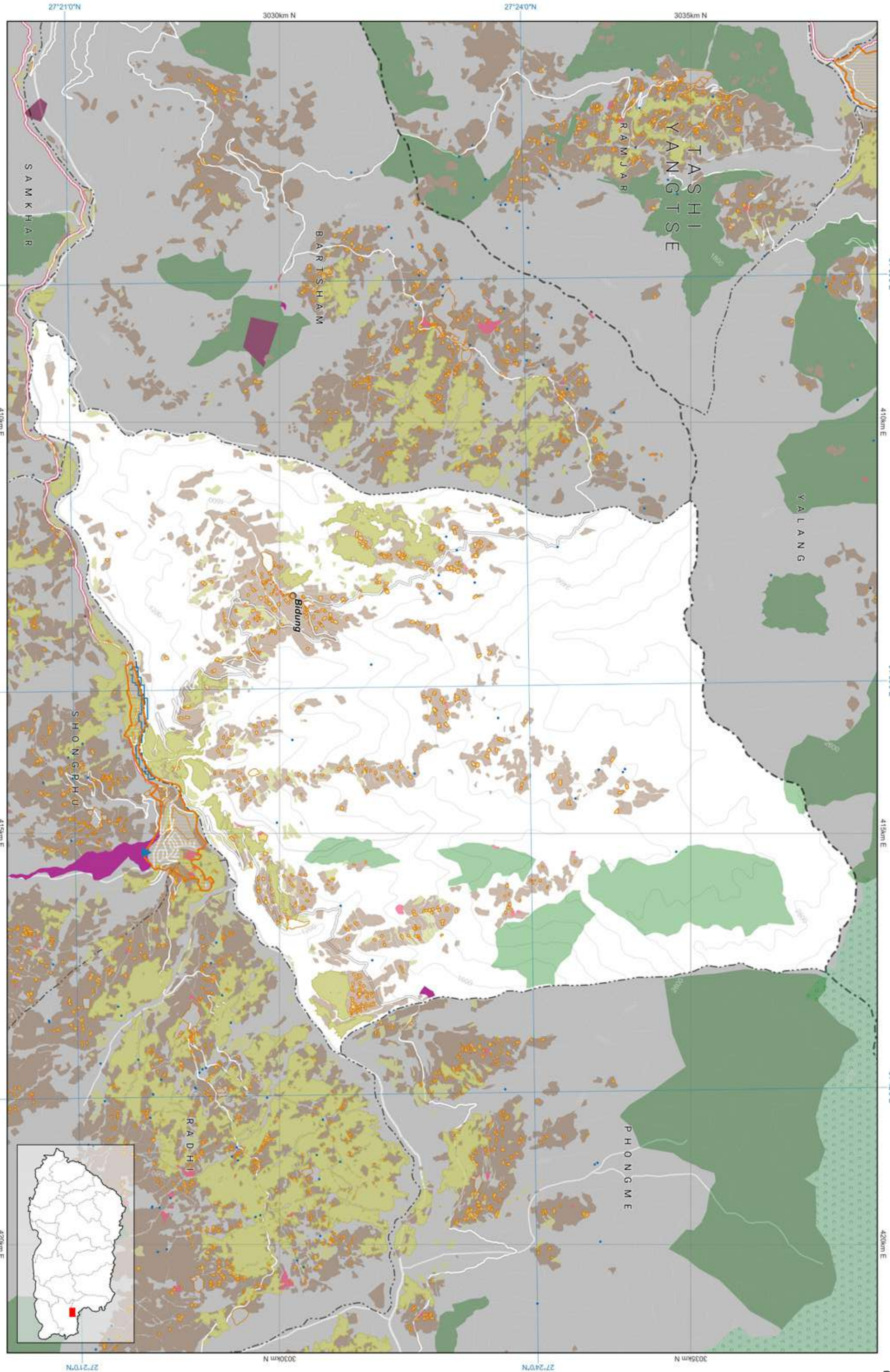
Data Ownership

Data Owner of the Map Content
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Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Air Transport Ministry of Infrastructure and Transport
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

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Zone Area

Gewog		Kangpar
Gewog code		1504
Gewog area		85146.548
Zone		Area
Agriculture		4251.086
Cultural Heritage		8.625
Industrial		0.1
NCA		240.7
Rangeland		595.455
Rural Settlement		165.609
SFMA		4186.701
Urban		0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

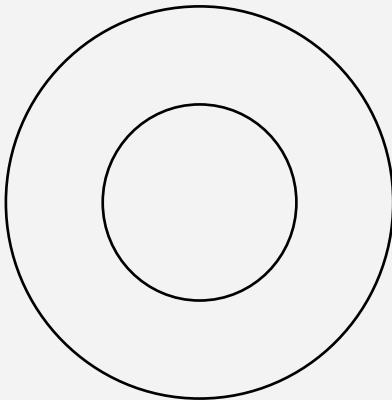
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
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  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

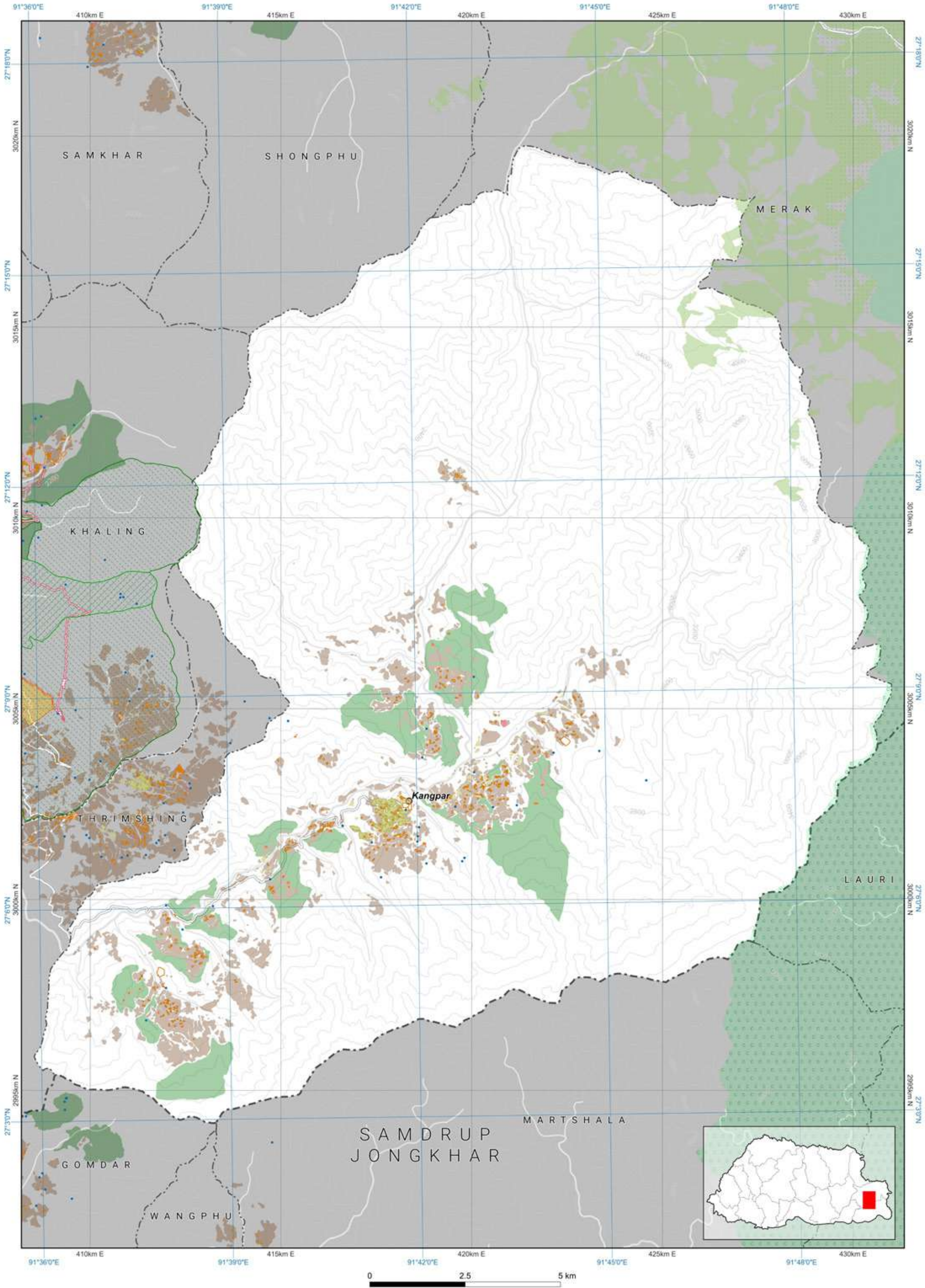
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- Dzongkhag 25k
- Dzongkhag 5k
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- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Kangpar	772	819	1,591	94.3	48.7	475

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat



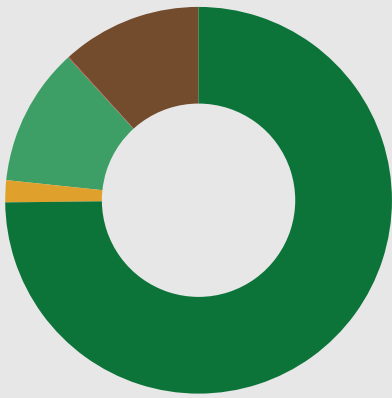
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Zone Area

Gewog	Khaling
Gewog code	1505
Gewog area	38562.134
Zone	Area
Agriculture	2986.778
Cultural Heritage	13.306
Industrial	0.951
NCA	2950.406
Rangeland	0
Rural Settlement	470.119
SFMA	19080.296
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
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  - Road
  - Powerlines
  - Flight Funnel
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  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
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  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	2340.405	1802.401	0	5.145	0.4	319.96	0
NCA	2340.405	0	0	0	0	0.25	0	0
Agriculture	1802.401	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	5.145	0	0	0	0	0	0	0
Industrial	0.4	0.25	0	0	0	0	0	0
Rural Settlement	319.96	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	63.669	4.146	7.681	0	0	0	0.178	0
Road	223.523	28.188	6.772	0	0	0	7.169	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	111.87
Road	321.424
Flood Hazard	0
Flight Funnel	0
Heritage	0



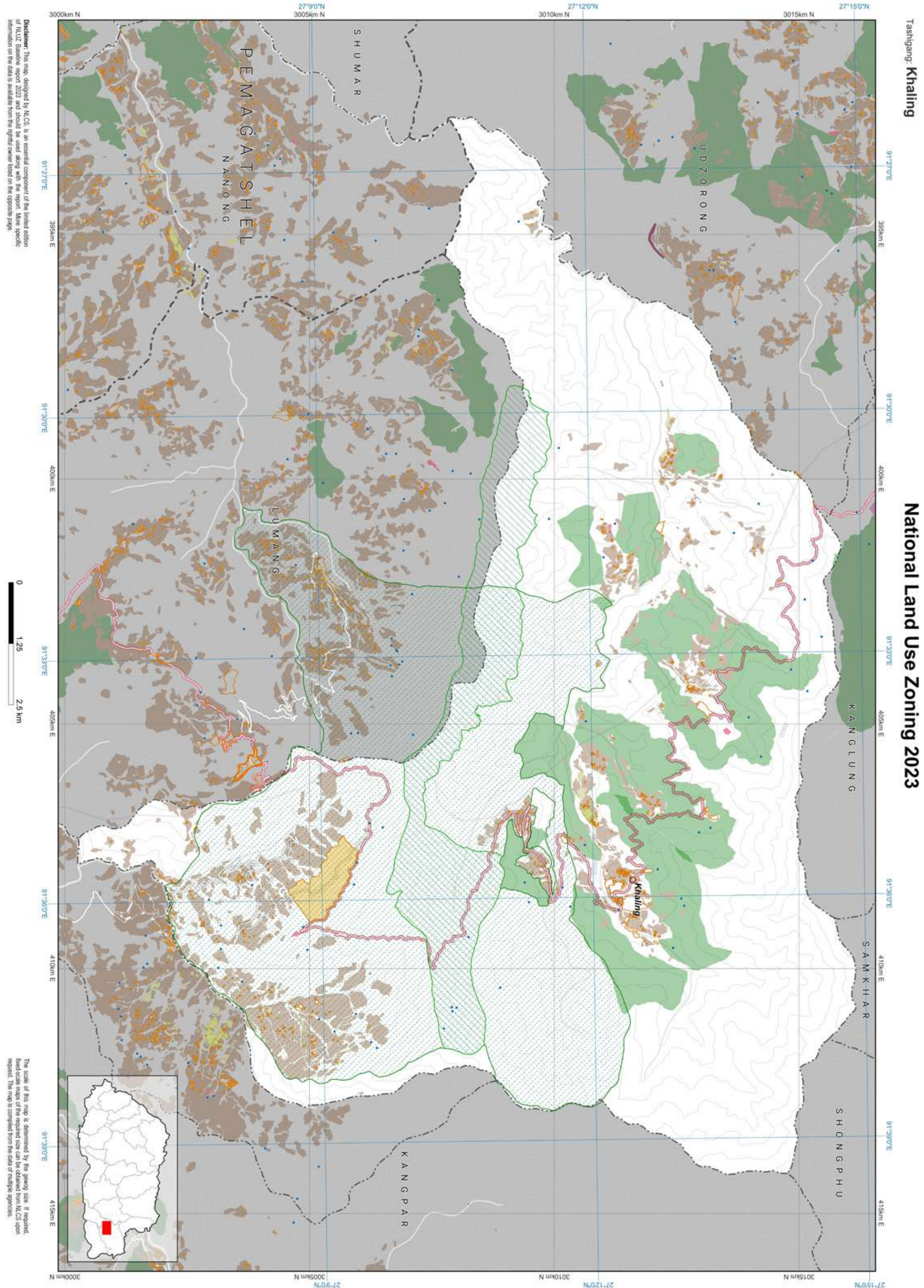
- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Khaling	1,270	1,186	2,456	107.1	36.9	3.4
Khaling Town	587	542	1,129	108.3	19.2	3.7

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat



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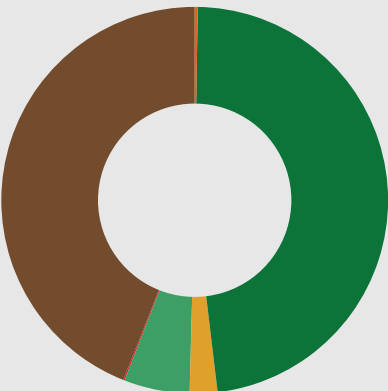




Zone Area

Gewog	Lumang
Gewog code	1506
Gewog area	26162.87

Zone	Area
Agriculture	4795.691
Cultural Heritage	11.759
Industrial	0.872
NCA	598.573
Rangeland	0
Rural Settlement	252.662
SFMA	5218.7
Urban	27.489



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	218.183	853.531	0	0.565	0	42.677	0
NCA	218.183	0	0	0	0	0	0	0
Agriculture	853.531	0	0	0.686	0	0	0	0
Urban	0	0	0.686	0	0	0	15.925	0
Culture	0.565	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	42.677	0	0	15.925	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	6.482	0.722	0.165	0	0	0	0.039	0
Road	7.377	0	11.983	0	0	0.083	9.234	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	25.47
Road	140.207
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
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- Sustainable Forest Management Area
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  - Heritage Conservation Zone
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  - Urban Zone
- Nature Conservation Area
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    - Transition Zone
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    - Multi Use Zone
  - Biological Corridor / Botanical Park
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- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
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  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Data Ownership

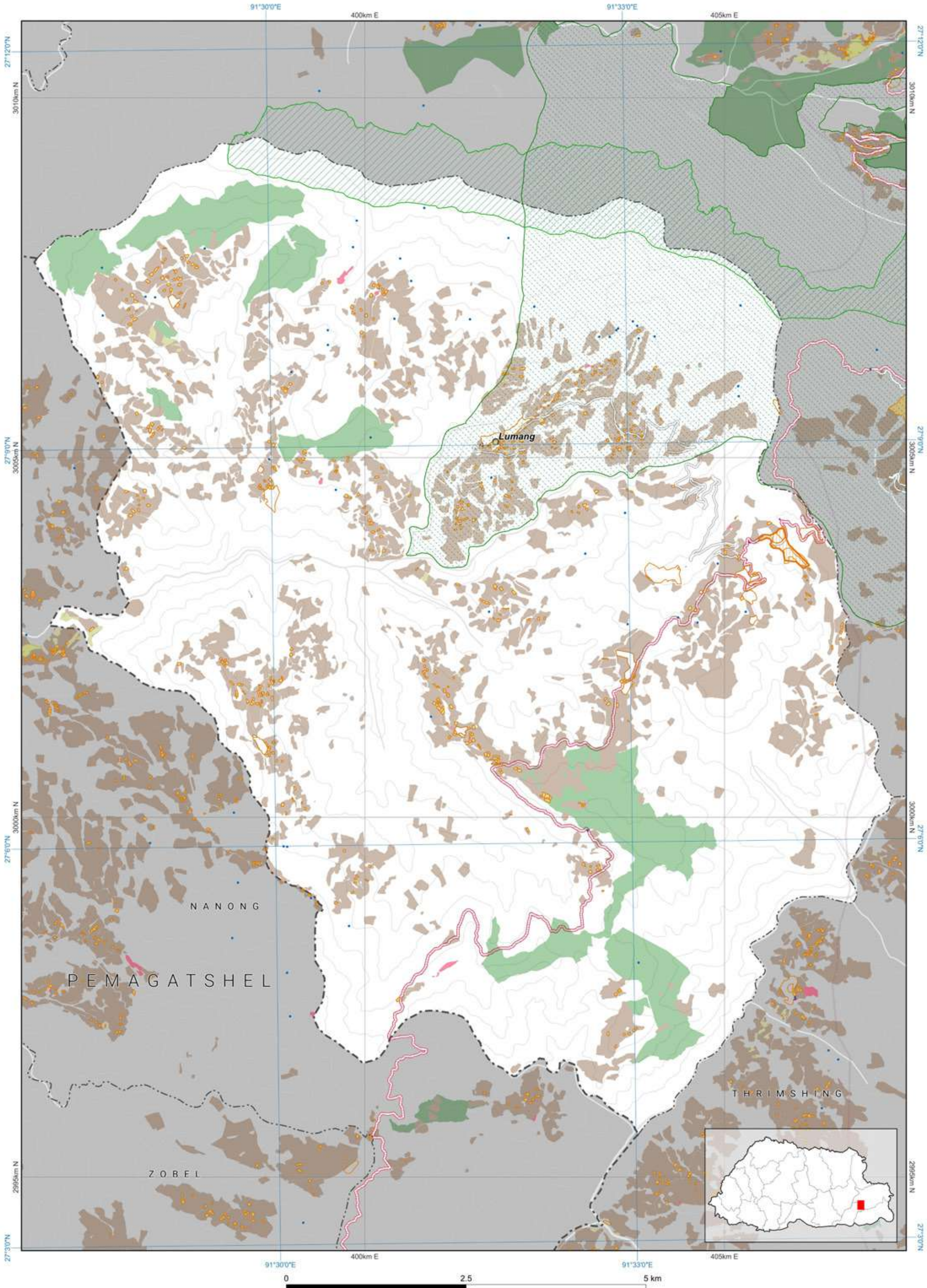
Data Owner of the Map Content
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Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Lumang	1795	1803	3,598	99.6	33.8	883
Reserbu Town	116	95	211	122.1	26.7	57
Wamrong Town	224	260	484	86.2	6.8	92

Tashigang: Lumang

National Land Use Zoning 2023



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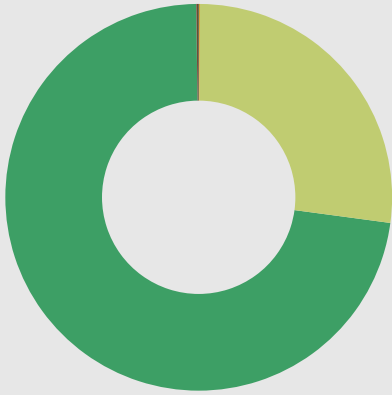
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MERAK

## Zone Area

Gewog	Merak
Gewog code	1507
Gewog area	113074.29
Zone	Area
Agriculture	236.316
Cultural Heritage	7.832
Industrial	1.449
NCA	86674
Rangeland	32212.261
Rural Settlement	95.448
SFMA	36.707
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

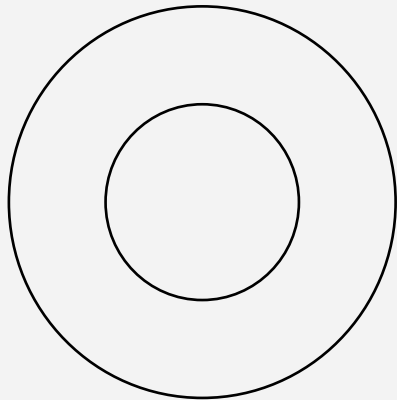
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	170.887	0	7.825	1.448	93.595	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	7.825	0	0	0	0	0	0
Industrial	0	1.448	0	0	0	0	0	0
Rural Settlement	0	93.595	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Merak	858	704	1,562	121.9	21.1	345
						4.4

## Data Ownership

Data Owner of the Map Content
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

### Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
  - Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial

- Terrain
  - Contour

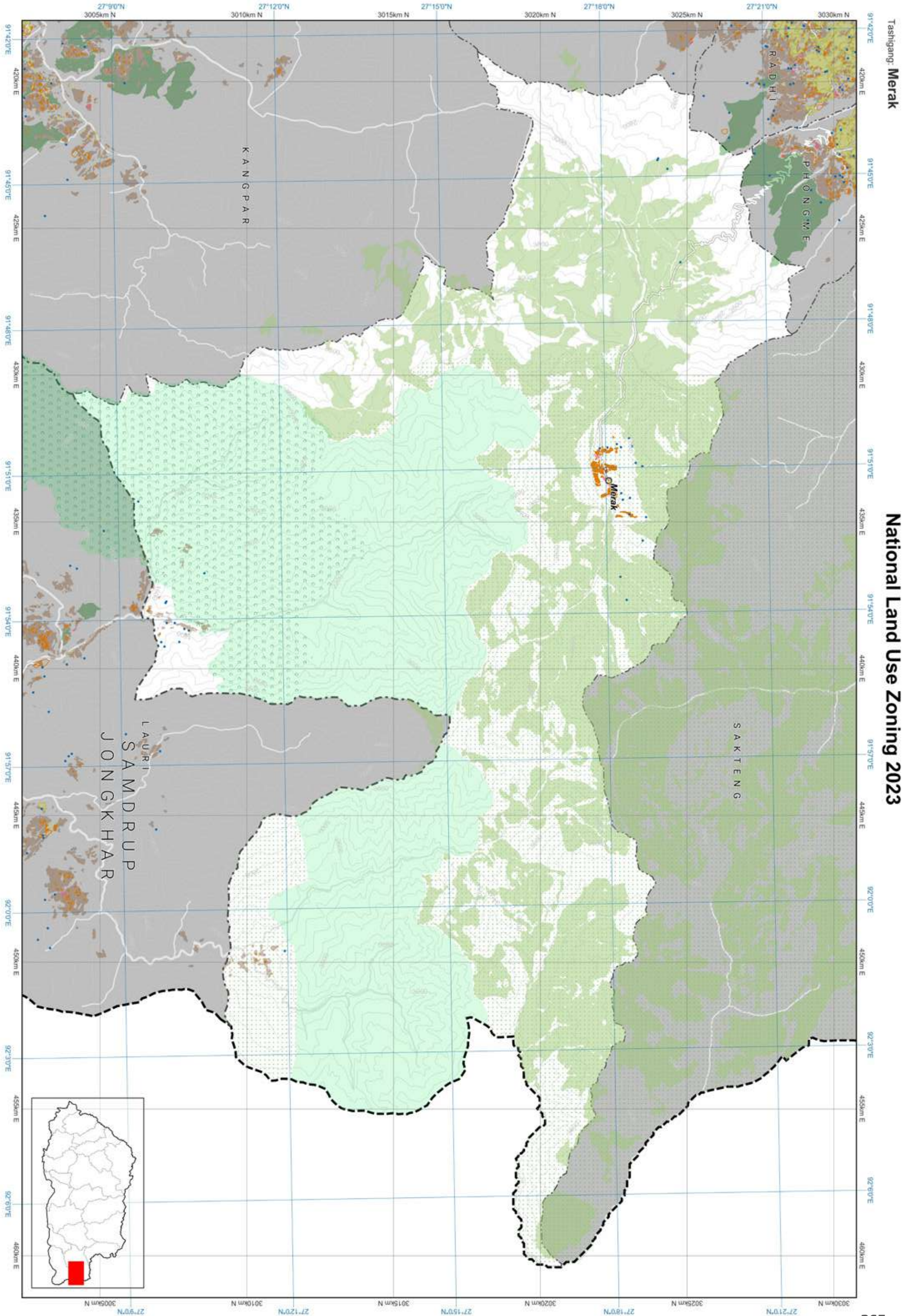
### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
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- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

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0 1.25 2.5 km

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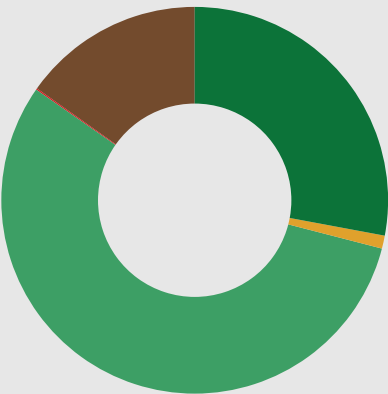




Zone Area

Gewog	Phongme
Gewog code	1509
Gewog area	24355.226

Zone	Area
Agriculture	2263.889
Cultural Heritage	16.743
Industrial	0.23
NCA	8299.337
Rangeland	0
Rural Settlement	162.205
SFMA	4164.046
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

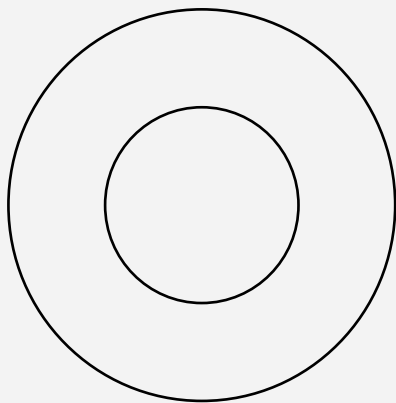
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	13.202	0	0	0	0	0	0
NCA	13.202	0	2.712	0	0	0	0	0
Agriculture	0	2.712	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

Map Legend

National Land Use Zoning

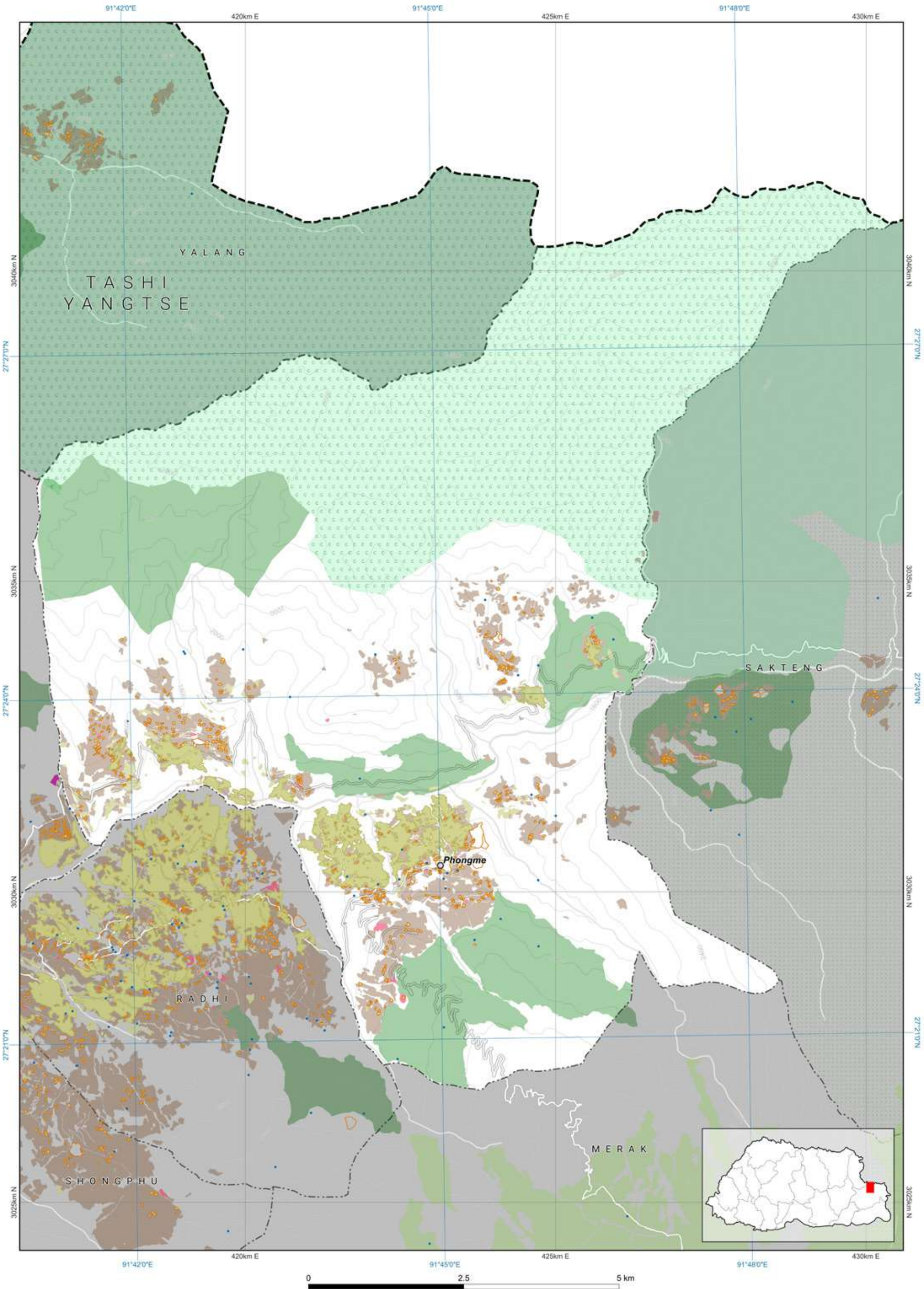
- Agricultural Land
  - Kamzhing
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  - Heritage Conservation Zone
- Urban
  - Urban Zone
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  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
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- Hazard and Risk
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    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Phongme	1,305	1,312	2,617	99.5	31.6	615

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat



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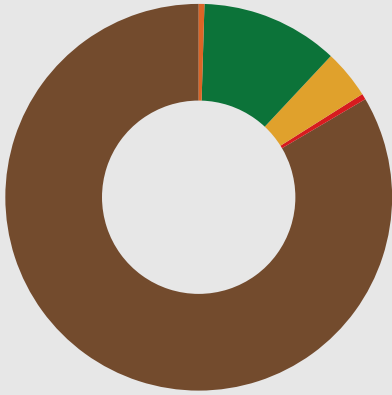
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## Zone Area

Gewog	Radhi
Gewog code	1510
Gewog area	7008.702

Zone	Area
Agriculture	3336.555
Cultural Heritage	19.313
Industrial	0
NCA	0
Rangeland	0
Rural Settlement	162.941
SFMA	459.443
Urban	19.049



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

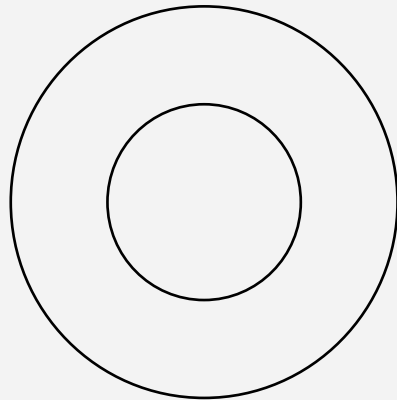
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	11.305	0	0	0	0
Urban	0	0	11.305		1.418	0	4.148	0
Culture	0	0	0	1.418	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	4.148	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

Rural Settlement

- Residential Land
- Institutional Land

Sustainable Forest Management Area

- Forest Management Unit
- Community Forest

Cultural Heritage

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

Urban

- Urban Zone

### Nature Conservation Area

Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

Wetland

- Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

Rangeland

- Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
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- Hydro Power Plants
- Hydro Power Waterways

### Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

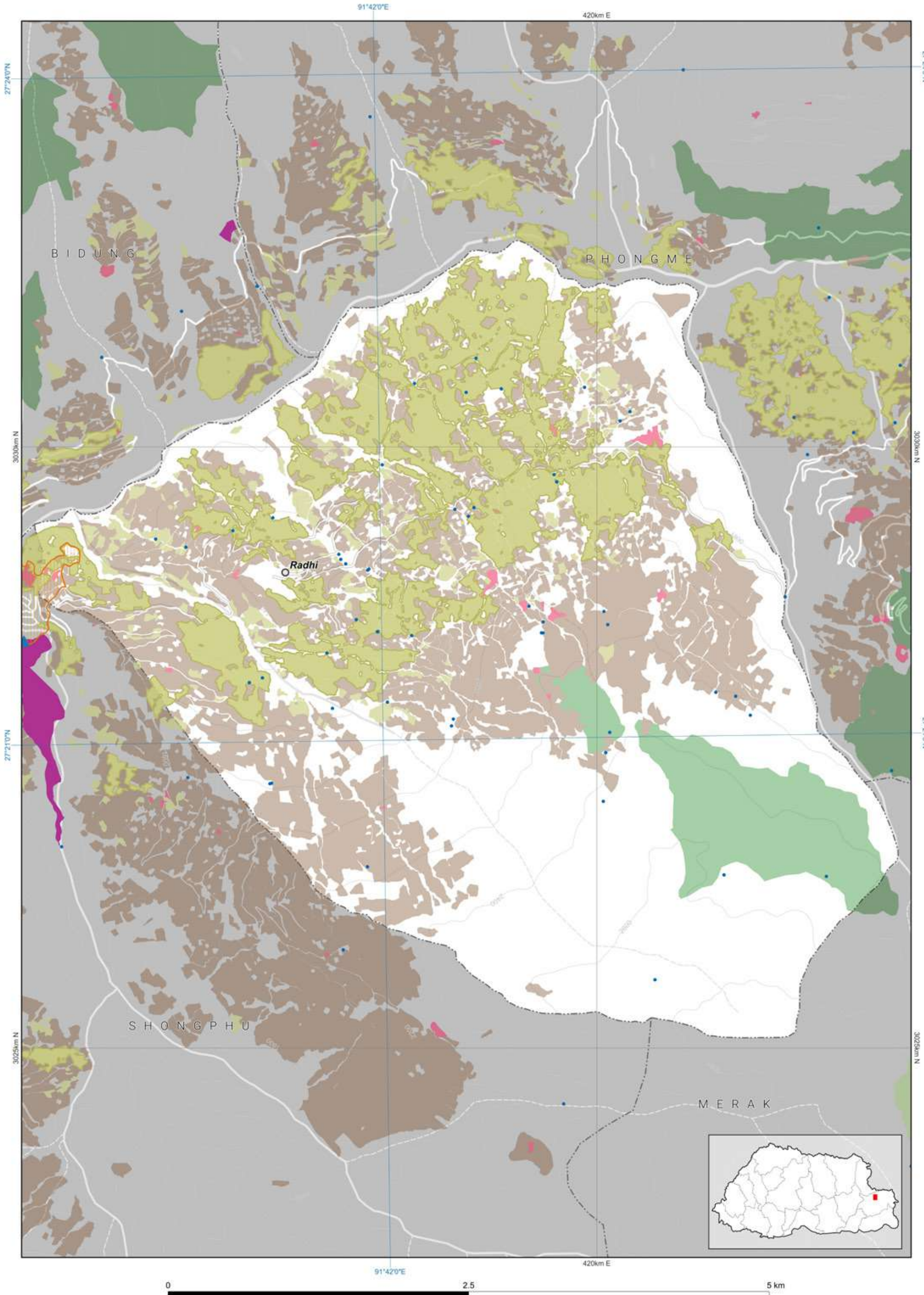
- Contour

Roads for different map scales

- Highway 300k
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- Dzongkhag 50k
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- Dzongkhag 5k
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- Access 5k
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Tashigang: Radhi

## National Land Use Zoning 2023



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## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Radhi	1,169	1,177	2,346	99.3	41.4	626
Rangjung Town	1,109	915	2,024	121.2	16.2	315

**Disclaimer:**  
The demographic statistics provided in the table above for Rangjung Town encompass not only the area falling under the Radhi gewog but also include the demographic statistics of the town area falling under the Shongphu gewog. The same statistics for Rangjung town can be found under the Shongphu gewog.

## Data Ownership

### Data Owner of the Map Content

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Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Human Settlement  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

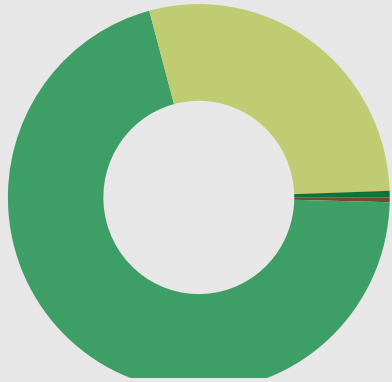


SAKTENG

Zone Area

Gewog	Sakteng
Gewog code	1511
Gewog area	112572.157

Zone	Area
Agriculture	629.715
Cultural Heritage	5.816
Industrial	0.401
NCA	112487.197
Rangeland	45664.71
Rural Settlement	84.535
SFMA	865.683
Urban	0



All areas are in Acres.

■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

Zone Conflict

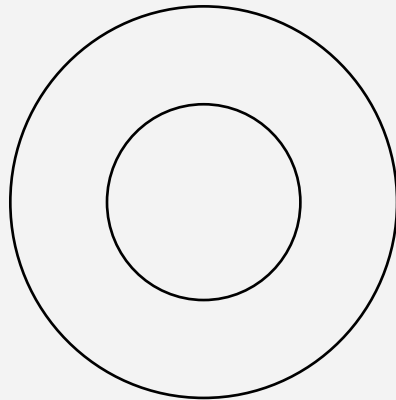
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	865.564	0	0	0	0	0	0
NCA	865.564	0	623.717	0	5.816	0.401	84.51	45663.241
Agriculture	0	623.717	0	0	0	0	0	1.366
Urban	0	0	0	0	0	0	0	0
Culture	0	5.816	0	0	0	0	0	0
Industrial	0	0.401	0	0	0	0	0	0
Rural Settlement	0	84.51	0	0	0	0	0	0
Rangeland	0	45663.241	1.366	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

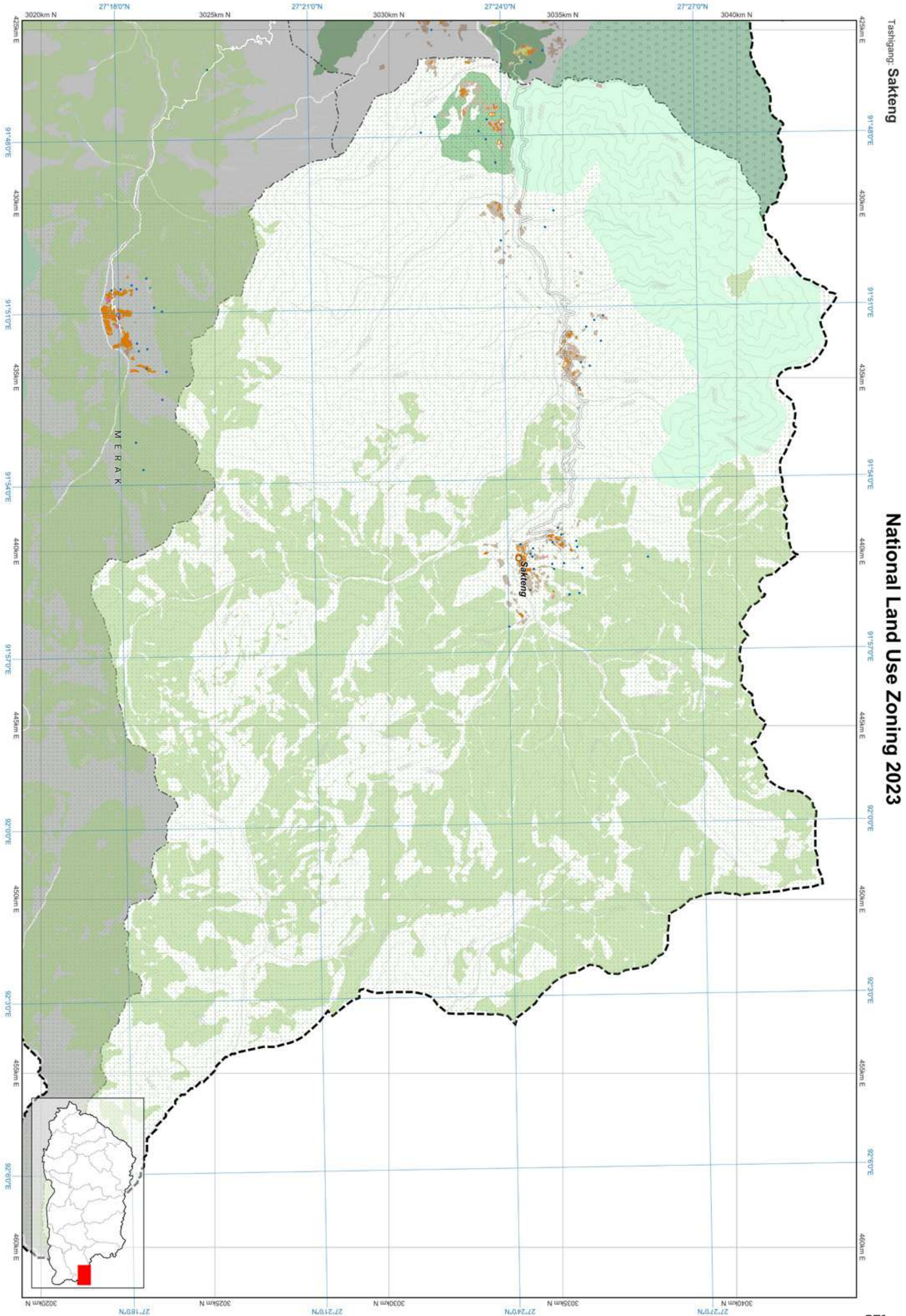
National Land Use Zoning

- Agricultural Land**
- Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement**
- Residential Land
  - Institutional Land
- Sustainable Forest Management Area**
- Forest Management Unit
  - Community Forest
- Cultural Heritage**
- Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban**
- Urban Zone
- Nature Conservation Area**
- Protected Area**
- Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland**
- Ramsar Site
- Hazard and Risk**
- Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures**
- Key Biodiversity Area
  - High Conservation Value
- Rangeland**
- Tsamdro
- Significant Watershed**
- Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial**
- Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap**
- Boundaries**
- International
  - Dzongkhag
  - Gewog
- Rivers**
- Main river
  - Perennial
- Terrain**
- Contour
- Roads for different map scales**
- Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

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Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Sakteng	1,098	963	2,061	114.0	16.9	475

Data Ownership

Data Owner of the Map Content

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

National Land Commission Secretariat



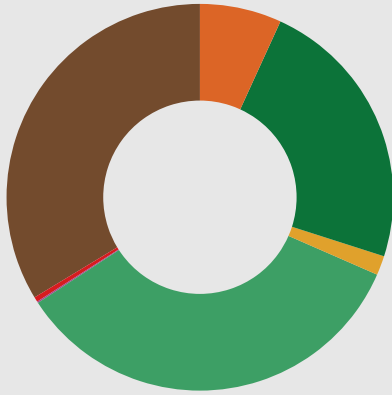
TASHIGANG



Zone Area

Gewog	Samkhar
Gewog code	1512
Gewog area	22025.315

Zone	Area
Agriculture	3324.7
Cultural Heritage	40.707
Industrial	11.485
NCA	3381.773
Rangeland	0
Rural Settlement	159.378
SFMA	2281.253
Urban	675.139



All areas are in Acres.



Zone Conflict

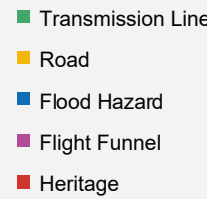
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	1388.066	0	0	0	0	0	0
NCA	1388.066	0	0	99.695	0.437	0	27.636	0
Agriculture	0	495.51	0	252.362	0	0	0	0
Urban	0	99.695	252.362	0	15.026	5.621	31.196	0
Culture	0	0	0	15.026	0	0	0	0
Industrial	0	0.22	0	5.621	0	0	0	0
Rural Settlement	0	27.636	0	31.196	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0.191	9.789	0	0	0.233	0.371	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

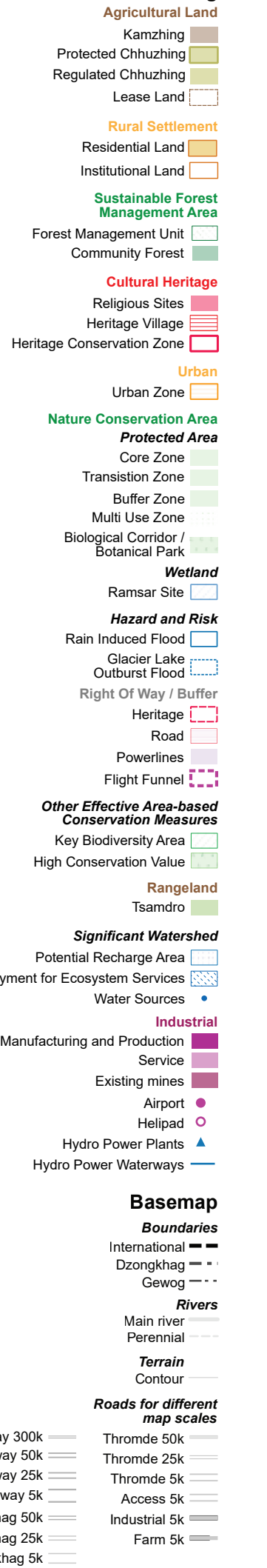
RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	107.605
Flood Hazard	0
Flight Funnel	0
Heritage	0



Map Legend

National Land Use Zoning



Data Ownership

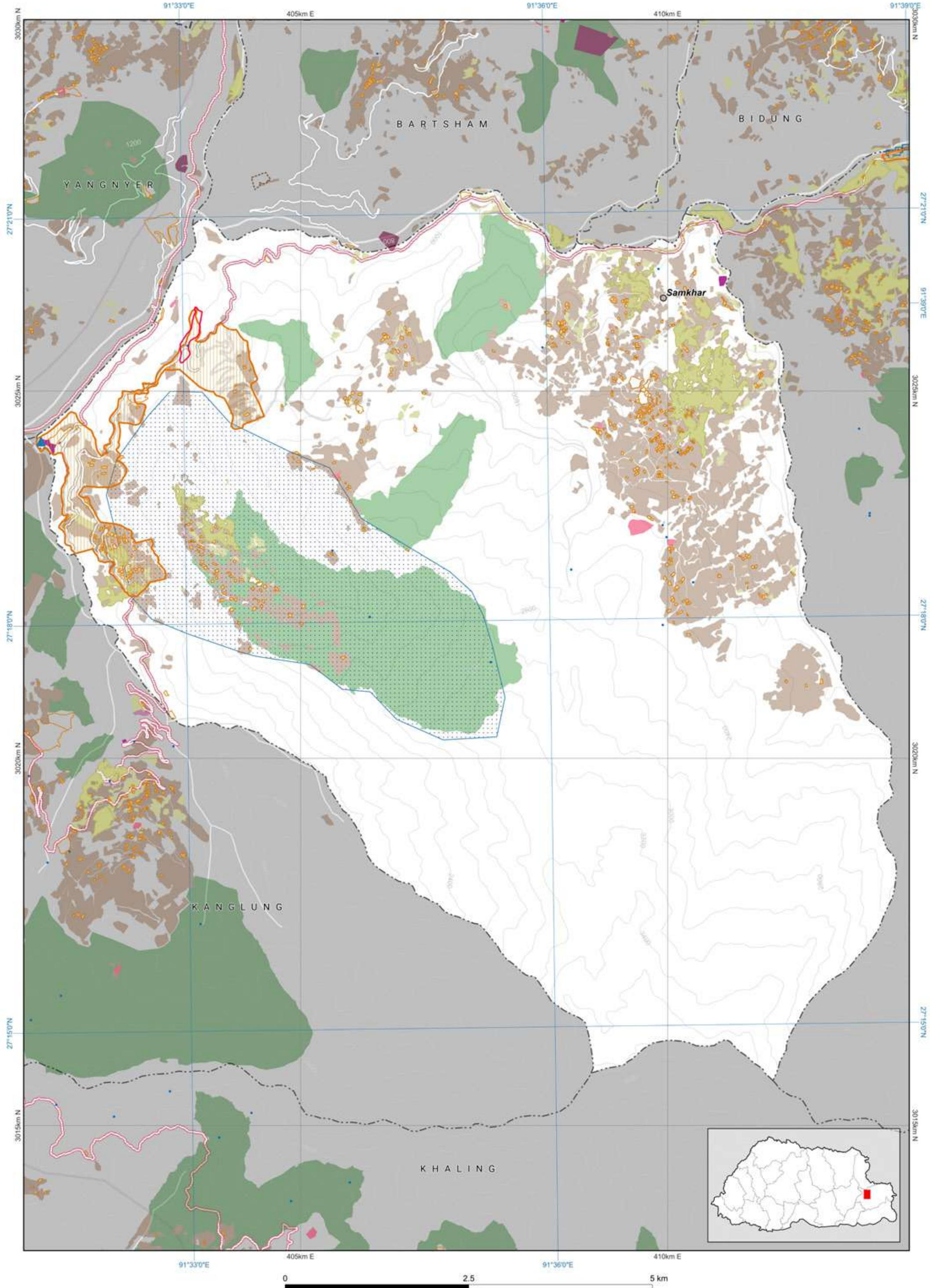
Data Owner of the Map Content
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Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development Ministry of Home Affairs
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Samkhar	1,117	992	2,109	112.6	29.5	567	3.1
Tashigang Town	1,565	1,472	3,037	106.3	15.6	700	3.7

Tashigang: Samkhar

National Land Use Zoning 2023



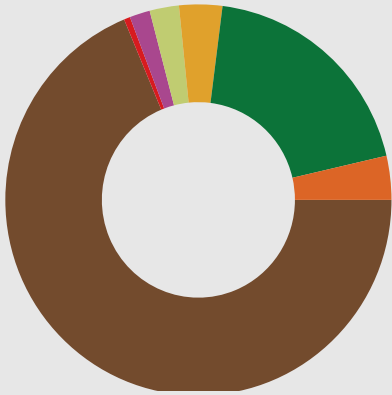
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Zone Area

Gewog	Shongphu
Gewog code	1513
Gewog area	22713.635
Zone	Area
Agriculture	3052.73
Cultural Heritage	23.085
Industrial	75.626
NCA	0
Rangeland	109.092
Rural Settlement	160.44
SFMA	860.49
Urban	161.274



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	37.758	0	0	0	0
Urban	0	0	37.758	0	3.559	3.688	29.437	
Culture	0	0	0	3.559	0	0	0	0
Industrial	0	0	0	3.688	0	0	0	0
Rural Settlement	0	0	0	29.437	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	7.305	0	0	0	0.455	0
Flood Hazard	0	0	0.546	13.482	0	0.016	2.17	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	24.5
Flood Hazard	16.232
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

- National Land Use Zoning**
- Agricultural Land
    - Kamzhing
    - Protected Chhuzhing
    - Regulated Chhuzhing
    - Lease Land
  - Rural Settlement
    - Residential Land
    - Institutional Land
  - Sustainable Forest Management Area
    - Forest Management Unit
    - Community Forest
  - Cultural Heritage
    - Religious Sites
    - Heritage Village
    - Heritage Conservation Zone
  - Urban
    - Urban Zone
  - Nature Conservation Area
    - Protected Area
      - Core Zone
      - Transition Zone
      - Buffer Zone
      - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake Outburst Flood
    - Right Of Way / Buffer
  - Heritage
    - Heritage
    - Road
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  - Other Effective Area-based Conservation Measures
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    - High Conservation Value
  - Rangeland
    - Tsamdro
  - Significant Watershed
    - Potential Recharge Area
    - Payment for Ecosystem Services
    - Water Sources
  - Industrial
    - Manufacturing and Production
    - Service
    - Existing mines
    - Airport
    - Helipad
    - Hydro Power Plants
    - Hydro Power Waterways
  - Basemap
    - Boundaries
      - International
      - Dzongkhag
      - Gewog
    - Rivers
      - Main river
      - Perennial
    - Terrain
      - Contour
    - Roads for different map scales
      - Highway 300k
      - Highway 50k
      - Highway 25k
      - Highway 5k
      - Dzongkhag 50k
      - Dzongkhag 25k
      - Dzongkhag 5k
      - Thromde 50k
      - Thromde 25k
      - Thromde 5k
      - Access 5k
      - Industrial 5k
      - Farm 5k

**Demographic Table**

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)

Gewog / Throm	Male	Female	Total	Sex ratio	Aging Index	Number of household	Mean Household size
Shongphu	963	962	1,925	100.1	43.9	610	3.1
Rangjung Town	1,109	915	2,024	121.2	16.2	315	3.7

**Disclaimer:**  
The demographic statistics provided in the table above for Rangjung Town encompass not only the area falling under the Shongphu gewog but also include the demographic statistics of the town area falling under the Radhi gewog. The same statistics for Rangjung town can be found under the Radhi gewog.

**Data Ownership**

**Data Owner of the Map Content**

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Druk Holding and Investment

Department of Agriculture  
Ministry of Agriculture and Livestock

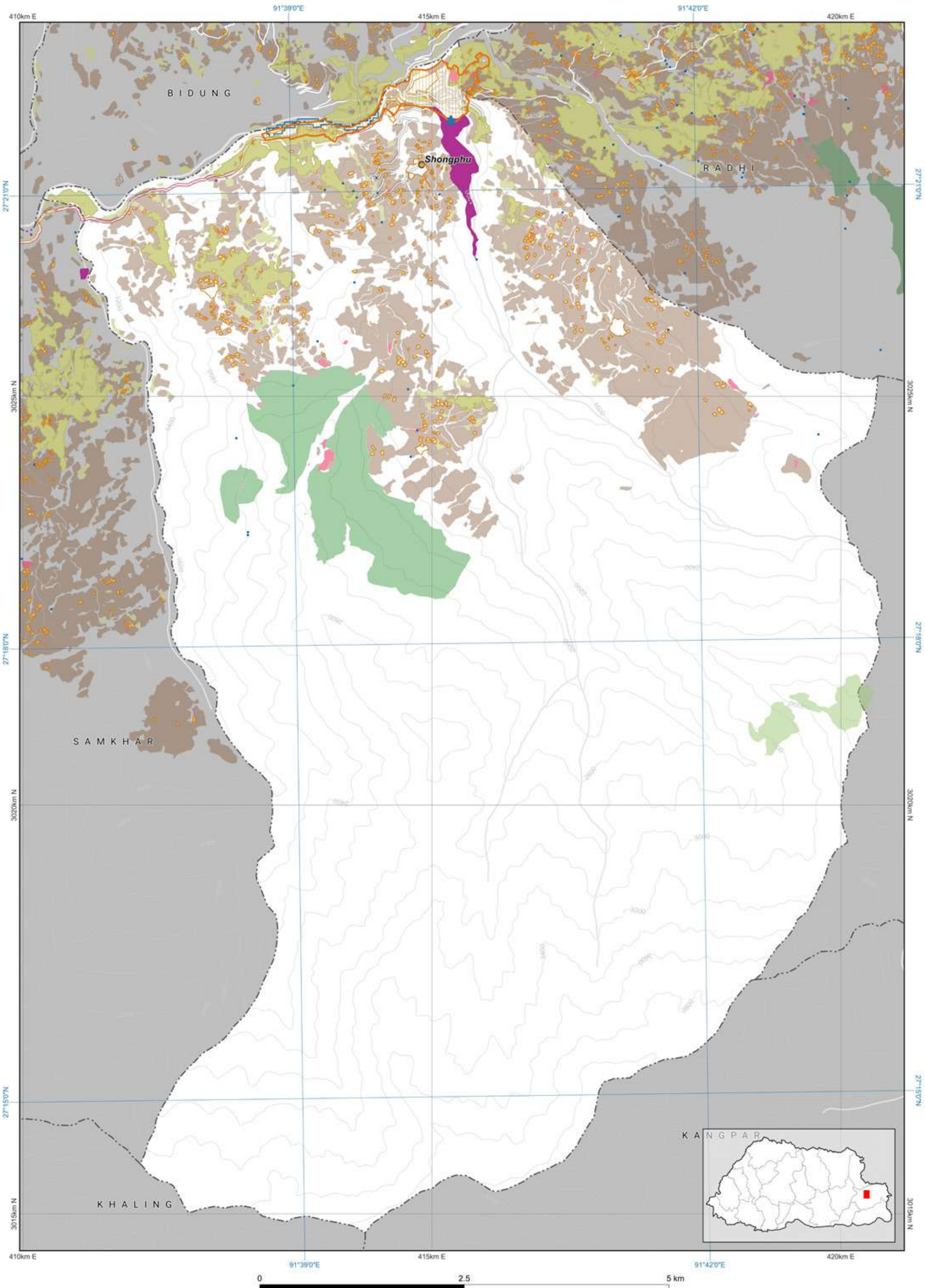
Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat



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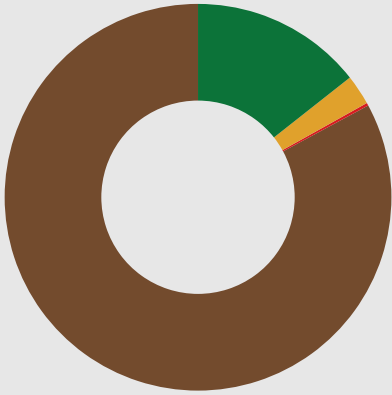
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Zone Area

Gewog	Thrimshing
Gewog code	1514
Gewog area	13401.88

Zone	Area
Agriculture	3923.632
Cultural Heritage	10.819
Industrial	0.312
NCA	0
Rangeland	0
Rural Settlement	119.218
SFMA	680.582
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.206	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0.206	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	13.716	0	0	0	0	0
Road	0.593	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	37.002
Road	1.177
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

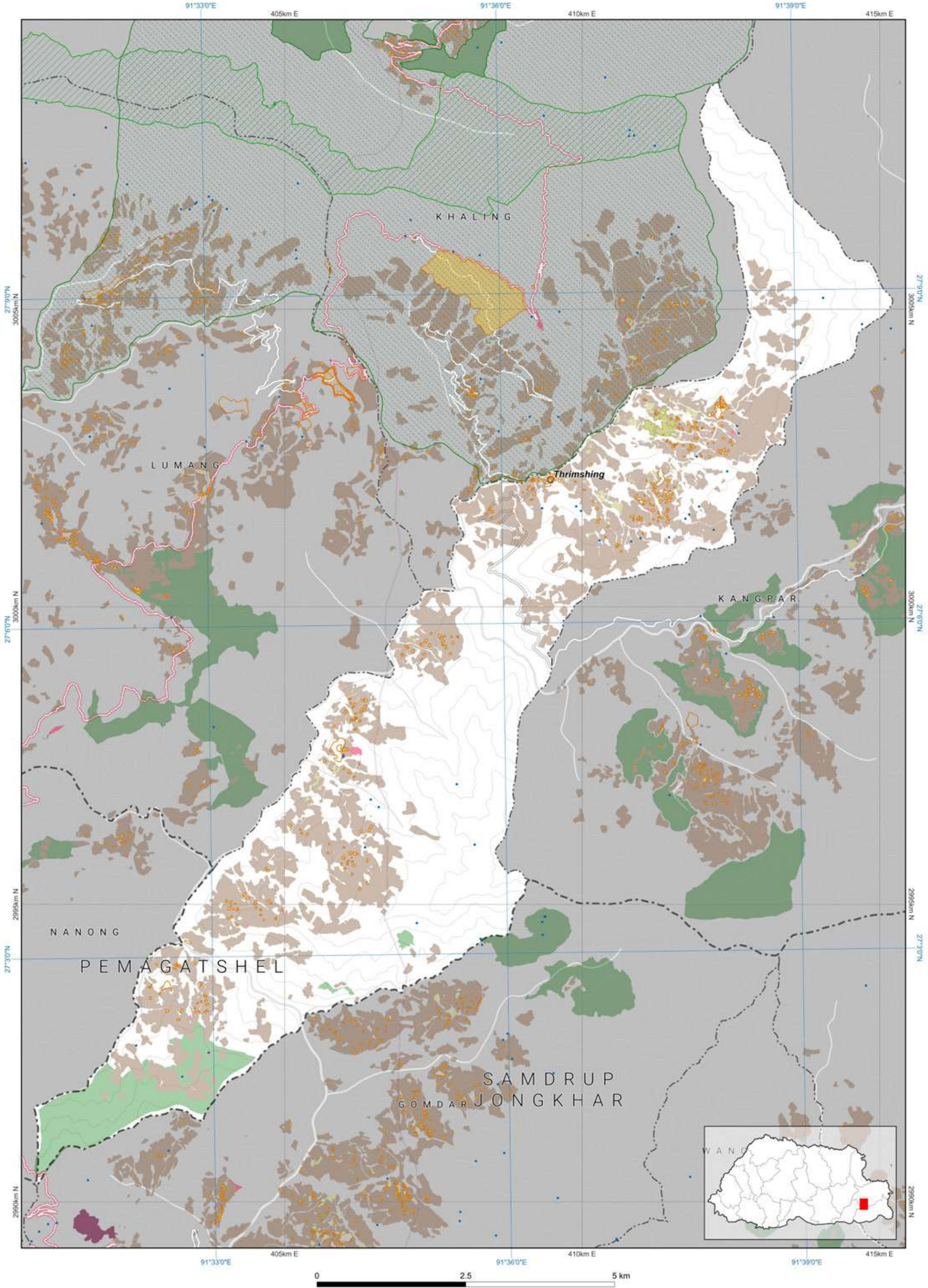
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
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  - Potential Recharge Area
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  - Hydro Power Plants
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- Basemap
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    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Tashigang: Thrimshing

National Land Use Zoning 2023



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Data Ownership

Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Thrimshing	1,244	1,304	2,548	95.4	28.9	616

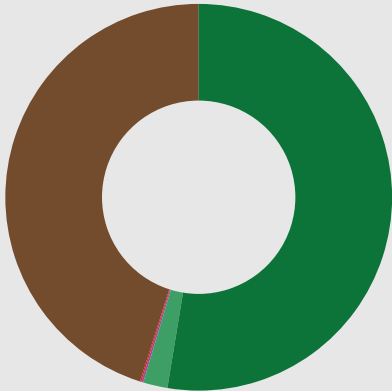
3.3





Zone Area

Gewog	Udzorong
Gewog code	1515
Gewog area	24833.916
Zone	Area
Agriculture	3035.659
Cultural Heritage	7.196
Industrial	11.479
NCA	137.771
Rangeland	0
Rural Settlement	0
SFMA	3540.668
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	1.513	0	0	0	0.208	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	13.386
Road	2.862
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
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  - Heritage Conservation Zone
- Urban
  - Urban Zone
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  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
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  - Ramsar Site
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  - Rain Induced Flood
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    - Dzongkhag 25k
    - Dzongkhag 5k
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    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Demographic Table

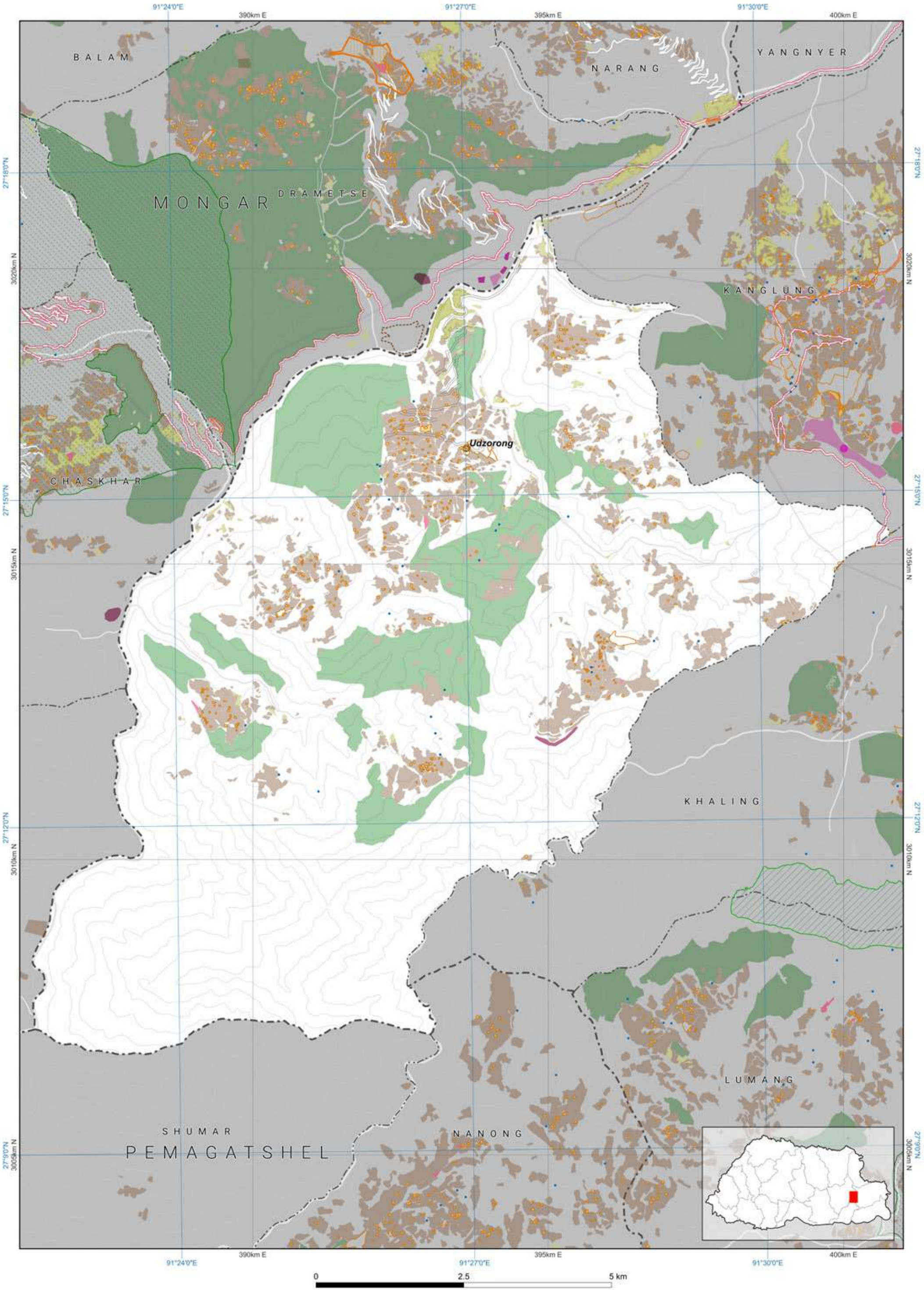
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Udzorong	1,349	1,411	2,760	95.6	26.9	651

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
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Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Geology and Mines Ministry of Energy and Natural Resources
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Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Tashigang: Udzorong

National Land Use Zoning 2023



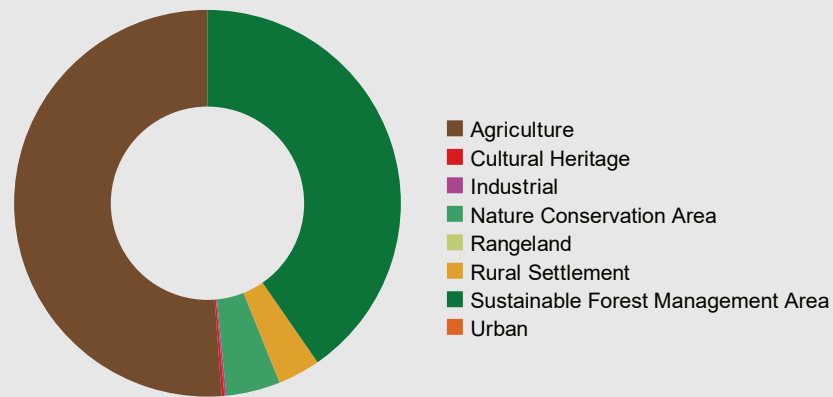
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# TASHIGANG

Zone	Area
Agriculture	22389.558
Cultural Heritage	10.622
Industrial	7.507
NCA	211.484
Rangeland	0
Rural Settlement	165.984
SFMA	1884.569
Urban	0



	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	17.729	0	0	0	0.442	0
Agriculture	0	17.729	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0.442	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	3.954	0	3.058	0	0	0	0.445	0
Road	0	0	0.261	0	0	0.05	0.387	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

Buffer Zone	Area
Transmission Line	51.47
Road	85.909
Flood Hazard	0
Flight Funnel	0
Heritage	0

Legend:

- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Yangnyer	1,284	1,251	2,535	102.6	17.3	611	3.4

- Agricultural Land**
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement**
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area**
  - Forest Management Unit
  - Community Forest
- Cultural Heritage**
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban**
  - Urban Zone
- Nature Conservation Area**
  - Protected Area**
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland**
    - Ramsar Site
  - Hazard and Risk**
    - Rain Induced Flood
    - Glacier Lake
    - Outburst Flood
    - Right Of Way / Buffer
    - Heritage
    - Road
    - Powerlines
    - Flight Funnel
  - Other Effective Area-based Conservation Measures**
    - Key Biodiversity Area
    - High Conservation Value
  - Rangeland**
    - Tsandro
  - Significant Watershed**
    - Potential Recharge Area
    - Payment for Ecosystem Services
    - Water Sources
  - Industrial**
    - Manufacturing and Production
    - Service
    - Existing mines
    - Airport
    - Helipad
    - Hydro Power Plants
    - Hydro Power Waterways

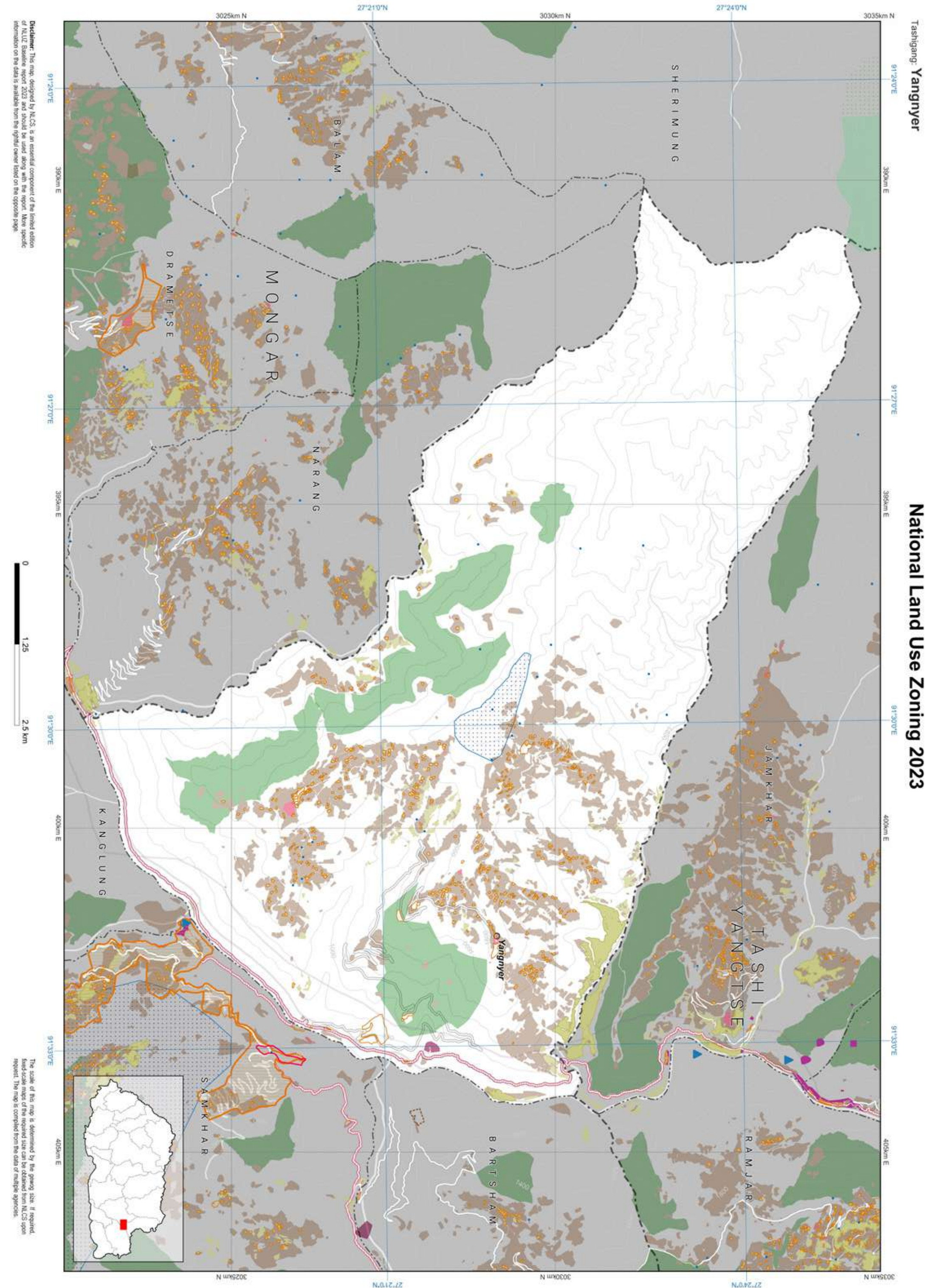
**Boundaries**  
International ———  
Dzongkhag ———  
Gewog - - -

**Rivers**  
Main river ———  
Perennial - - -

**Terrain**  
Contour ———

**Roads for different map scales**  
Thromde 50k ———  
Thromde 25k ———  
Thromde 5k ———  
Access 5k ———  
Industrial 5k ———  
Farm 5k ———

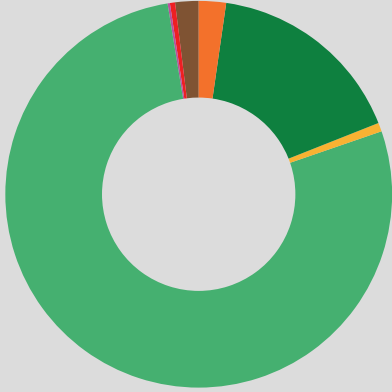
Data Owner of the Map Content	
Department of Agriculture Ministry of Agriculture and Livestock	
Department of Energy Ministry of Energy and Natural Resources	
Department of Forests and Park Services Ministry of Energy and Natural Resources	
Department of Geology and Mines Ministry of Energy and Natural Resources	
Department of Water Ministry of Energy and Natural Resources	
Department of Surface Transport Ministry of Infrastructure and Transport	
National Land Commission Secretariat	





Zone Area

Dzongkhag	Thimphu
Dzongkhag code	14
Dzongkhag area	443965.366
Zone	Area
Agriculture	5644.214
Culture	1234.813
Industrial	564.015
NCA	224223.341
Rangeland	0
Rural Settlement	2107.12
SFMA	48239.921
Urban	6570.913



All areas are in Acres.

- Agriculture
- Culture
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

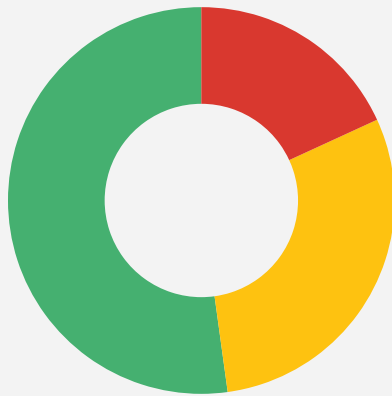
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	73.623	757.64	0.415	10.534	291.909	234.078	0
NCA	73.623	0	182.39	9.235	98.746	1.25	94.304	0
Agriculture	757.64	182.39	0	97.077	0.781	0.02	0	0
Urban	0.415	9.235	97.077	0	311.026	0	38.383	0
Culture	10.534	98.746	0.781	311.026	0	0	0	0
Industrial	291.909	1.25	0.02	0	0	0	0	0
Rural Settlement	234.078	94.304	0	38.383	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	140.084	4.118	57.829	61.601	0.221	2.841	15.844	0
Road	44.623	14.705	32.259	0	0.147	4.032	12.206	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	194.727	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	562.352
Road	319.888
Flood Hazard	0
Flight Funnel	0
Heritage	195.521



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

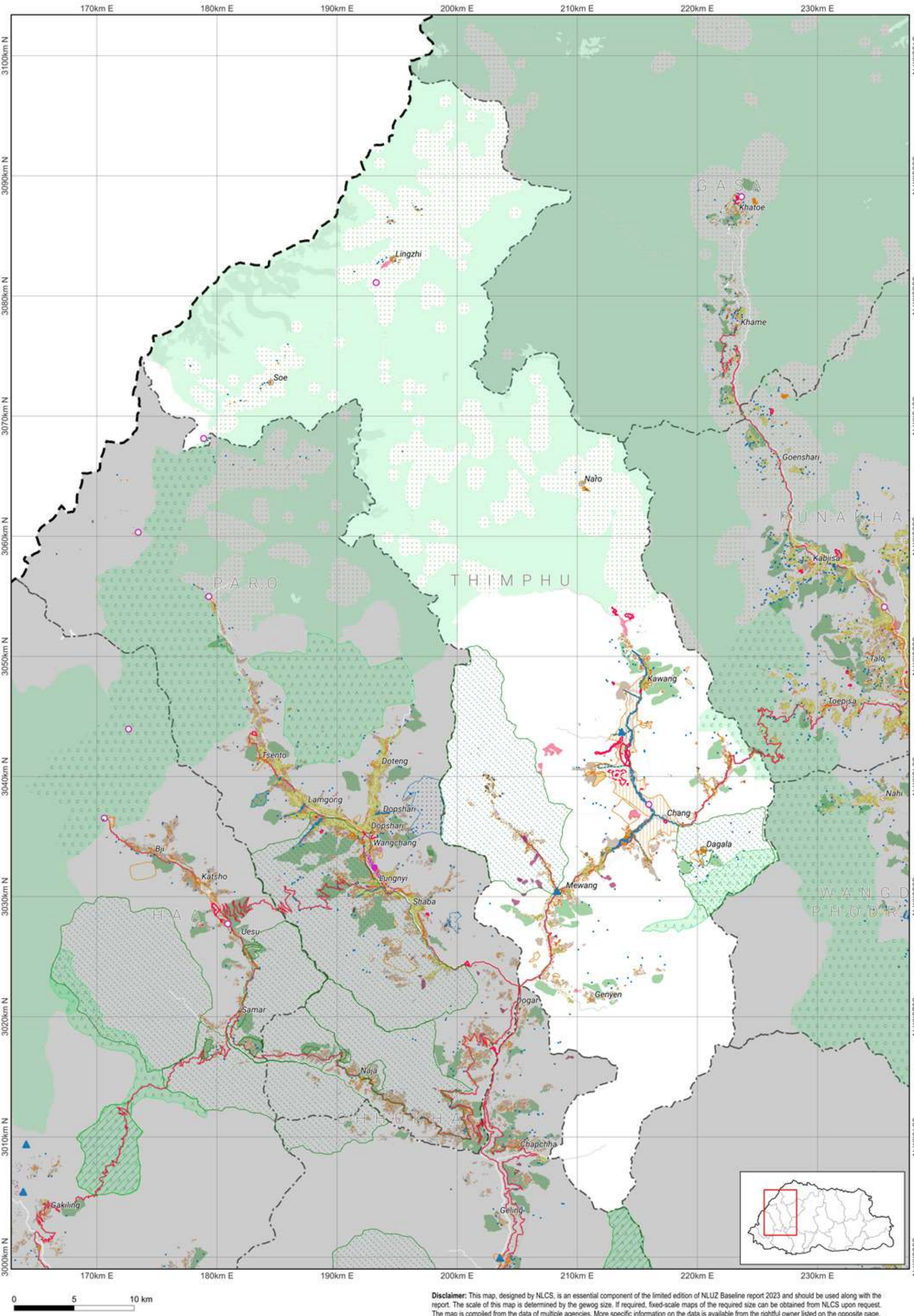
Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Thimphu	72,522	66,214	138,736	109.5	16.2	30,672

Map Legend

- National Land Use Zoning**
- Agricultural Land
    - Kamzhing
    - Protected Chhuzhing
    - Regulated Chhuzhing
    - Lease Land
  - Rural Settlement
    - Residential Land
    - Institutional Land
  - Sustainable Forest Management Area
    - Forest Management Unit
    - Community Forest
  - Cultural Heritage
    - Religious Sites
    - Heritage Village
    - Heritage Conservation Zone
  - Urban
    - Urban Zone
  - Nature Conservation Area
    - Protected Area
      - Core Zone
      - Transition Zone
      - Buffer Zone
      - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake
    - Outburst Flood
    - Right Of Way / Buffer
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    - Road
    - Powerlines
    - Flight Funnel
  - Other Effective Area-based Conservation Measures
    - Key Biodiversity Area
    - High Conservation Value
  - Rangeland
    - Tsamdro
  - Significant Watershed
    - Potential Recharge Area
    - Payment for Ecosystem Services
    - Water Sources
  - Industrial
    - Manufacturing and Production
    - Service
    - Existing mines
    - Airport
    - Helipad
    - Hydro Power Plants
    - Hydro Power Waterways
- Basemap**
- Boundaries**
- International
  - Dzongkhag
  - Gewog
- Rivers**
- Main river
  - Perennial
- Terrain**
- Contour
- Roads for different map scales**
- Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

Thimphu

National Land Use Zoning 2023

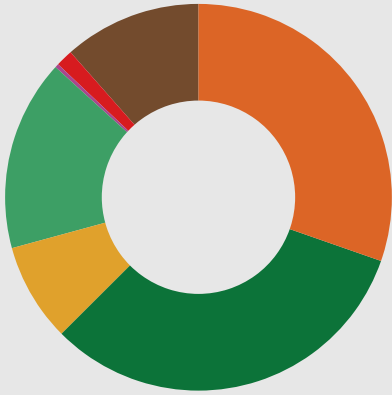




CHANG

## Zone Area

Gewog	Chang
Gewog code	1402
Gewog area	38716.483
Zone	Area
Agriculture	1628.34
Cultural Heritage	202.153
Industrial	43.626
NCA	2264.091
Rangeland	0
Rural Settlement	1165.015
SFMA	4553.7
Urban	4294.392



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.55	0.415	0	0	0	0
NCA	0	0	86.34	0	0.139	0	6.555	0
Agriculture	0.55	86.34	0	71.463	0	0	0	0
Urban	0.415	0	71.463	0	18.94	0	34.55	0
Culture	0	0.139	0	18.94	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	6.555	0	34.55	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	35.985	4.118	8.958	60.998	0.163	0	6.885	0
Road	0	14.705	13.155	0	0	0.193	4.468	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	194.727	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	212.287
Road	136.651
Flood Hazard	0
Flight Funnel	0
Heritage	195.521



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Chang	3,801	2,951	6,752	128.8	23.9	1,453	3.8
Thimphu Thromde	58,996	55,555	114,551	106.2	15.0	25,408	4.3

**Disclaimer:**  
Disclaimer: The demographic statistics provided in the table above for Thimphu thromde encompass not only the area falling under the Chang gewog but also include the demographic statistics of the thromde area falling under the Kawang gewog. The same statistics for Thimphu thromde can be found under the Kawang gewog.

## Map Legend

### National Land Use Zoning

Agricultural Land

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

Rural Settlement

- Residential Land
- Institutional Land

Sustainable Forest Management Area

- Forest Management Unit
- Community Forest

Cultural Heritage

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

Urban

- Urban Zone

Nature Conservation Area

Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

Wetland

- Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer

Heritage

- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

Rangeland

- Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k

Thromde 50k

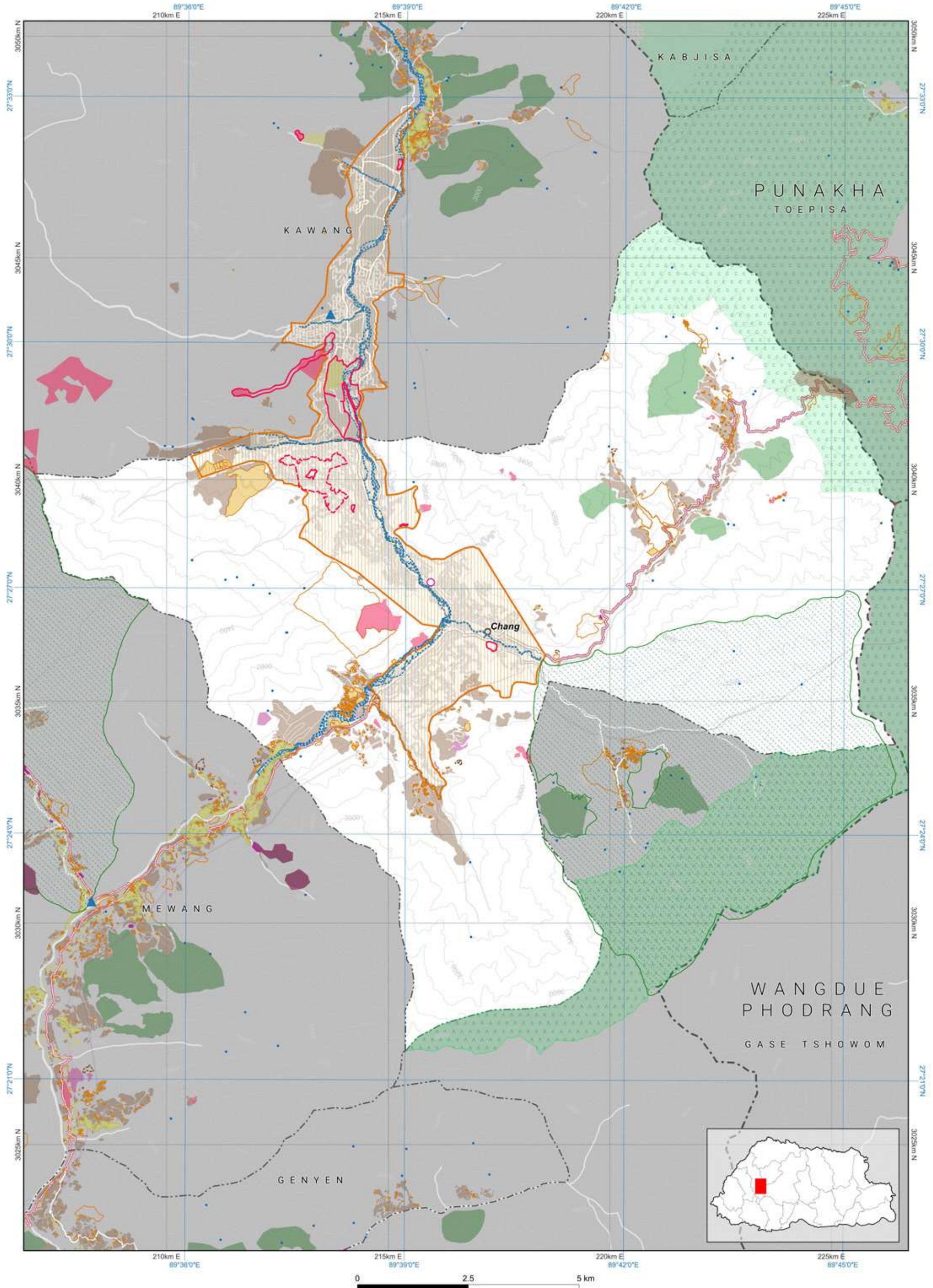
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development, Ministry of Home Affairs
Department of Air Transport Ministry of Infrastructure and Transport
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Centre for Hydrology and Meteorology
National Land Commission Secretariat

Thimphu: Chang

## National Land Use Zoning 2023



**Disclaimer:**  
This map, designed by NLCS, is an essential component of the limited edition of NLUZ Baseline report 2023 and should be used along with the report. More specific information on the data is available from the rightful owner listed on the opposite page.

The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.

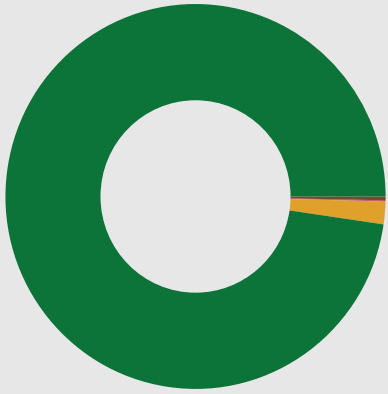




Zone Area

Gewog	Dagala
Gewog code	1403
Gewog area	50567.929

Zone	Area
Agriculture	24.891
Cultural Heritage	4.132
Industrial	3.465
NCA	0.178
Rangeland	0
Rural Settlement	148.753
SFMA	7637.518
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	23.89	0	0.443	1.43	148.753	0
NCA	0	0	0	0	0	0	0	0
Agriculture	23.89	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0.443	0	0	0	0	0	0	0
Industrial	1.43	0	0	0	0	0	0	0
Rural Settlement	148.753	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	34.478	0	0	0	0	0.002	0.252	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	34.478
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population		Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female				
Dagala	1,387	707	196.2	13.7	344	4

Map Legend

National Land Use Zoning

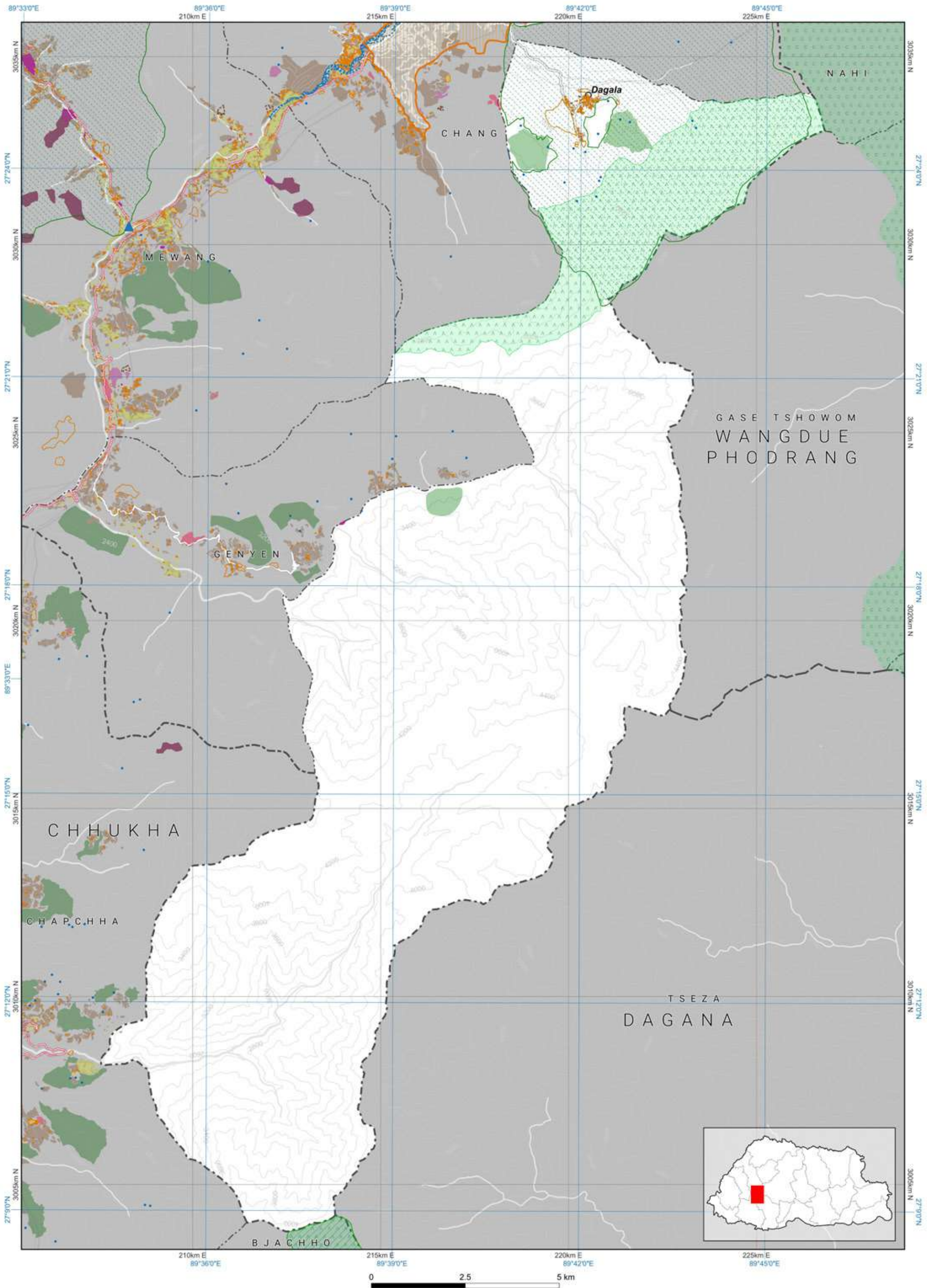
- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
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  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

Data Owner of the Map Content
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Thimphu: Dagala

National Land Use Zoning 2023



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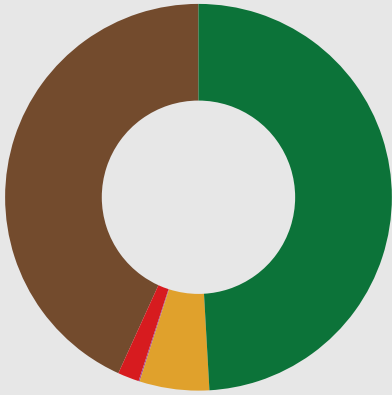
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



## Zone Area

Gewog	Genyen
Gewog code	1404
Gewog area	15058.338

Zone	Area
Agriculture	619.784
Cultural Heritage	25.602
Industrial	1.376
NCA	0
Rangeland	0
Rural Settlement	83.528
SFMA	704.356
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	2.892	0	9.681	0	0	0	1.055	0
Road	0	0	2.346	0	0	0	1.044	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	48.165
Road	32.291
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

**Agricultural Land**

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

**Rural Settlement**

- Residential Land
- Institutional Land

**Sustainable Forest Management Area**

- Forest Management Unit
- Community Forest

**Cultural Heritage**

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

**Urban**

- Urban Zone

**Nature Conservation Area**

- Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

**Wetland**

- Ramsar Site

**Hazard and Risk**

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer

- Heritage
- Road
- Powerlines
- Flight Funnel

**Other Effective Area-based Conservation Measures**

- Key Biodiversity Area
- High Conservation Value

**Rangeland**

- Tsamdro

**Significant Watershed**

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

**Industrial**

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

**Basemap**

- Boundaries**

- International
- Dzongkhag
- Gewog

- Rivers**

- Main river
- Perennial

- Terrain**

- Contour

**Roads for different map scales**

- Highway 300k
- Highway 50k
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- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k

- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Data Ownership

### Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

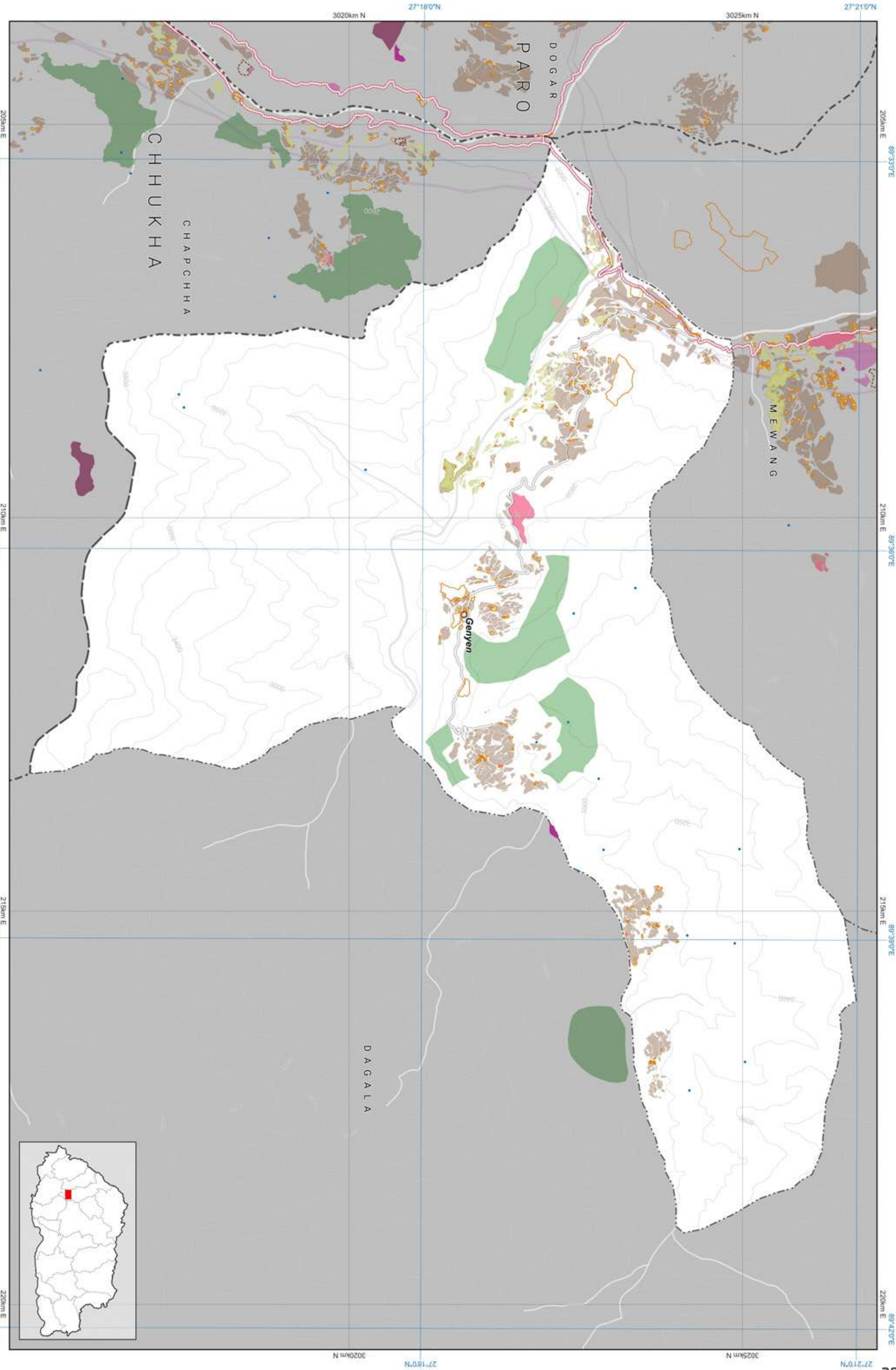
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)

Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Genyen	597	544	1,141	109.7	26.4	237	4.4

Disclaimer: This map, designed by NLCB, is an essential component of the limited edition of NLCB Baseline report 2023 and should be used along with the report. More specific information on the data is available from the digital vector files on the opposite page.



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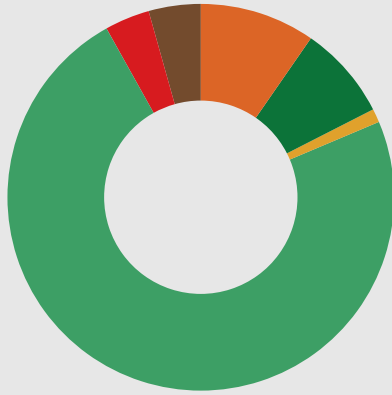




## Zone Area

Gewog	Kawang
Gewog code	1405
Gewog area	73560.596

Zone	Area
Agriculture	1028.285
Cultural Heritage	887.575
Industrial	1.068
NCA	17303.338
Rangeland	0
Rural Settlement	268.082
SFMA	1855.542
Urban	2276.521



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	6.459	9.235	27.709	0	0	0
Agriculture	0	6.459	0	25.614	0.781	0	0	0
Urban	0	9.235	25.614	0	292.086	0	3.833	0
Culture	0	27.709	0.781	292.086	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	3.833	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	13.532	0	0	0.604	0.058	0	2.113	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	55.931
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Kawang	3,185	2,292	5,477	139.0	23.7	3.6
Thimphu Thromde	58,996	55,555	114,551	106.2	15.0	4.3

**Disclaimer:**  
The demographic statistics provided in the table above for Thimphu thromde encompass not only the area falling under the Kawang gewog but also include the demographic statistics of the thromde area falling under the Chang gewog. The same statistics for Thimphu thromde can be found under the Chang gewog.

## Map Legend

### National Land Use Zoning

- Agricultural Land
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  - Protected Chhuzhing
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  - Glacier Lake Outburst Flood
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  - Road
  - Powerlines
  - Flight Funnel

- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value

- Rangeland
  - Tsamdro

- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources

- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour

- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k

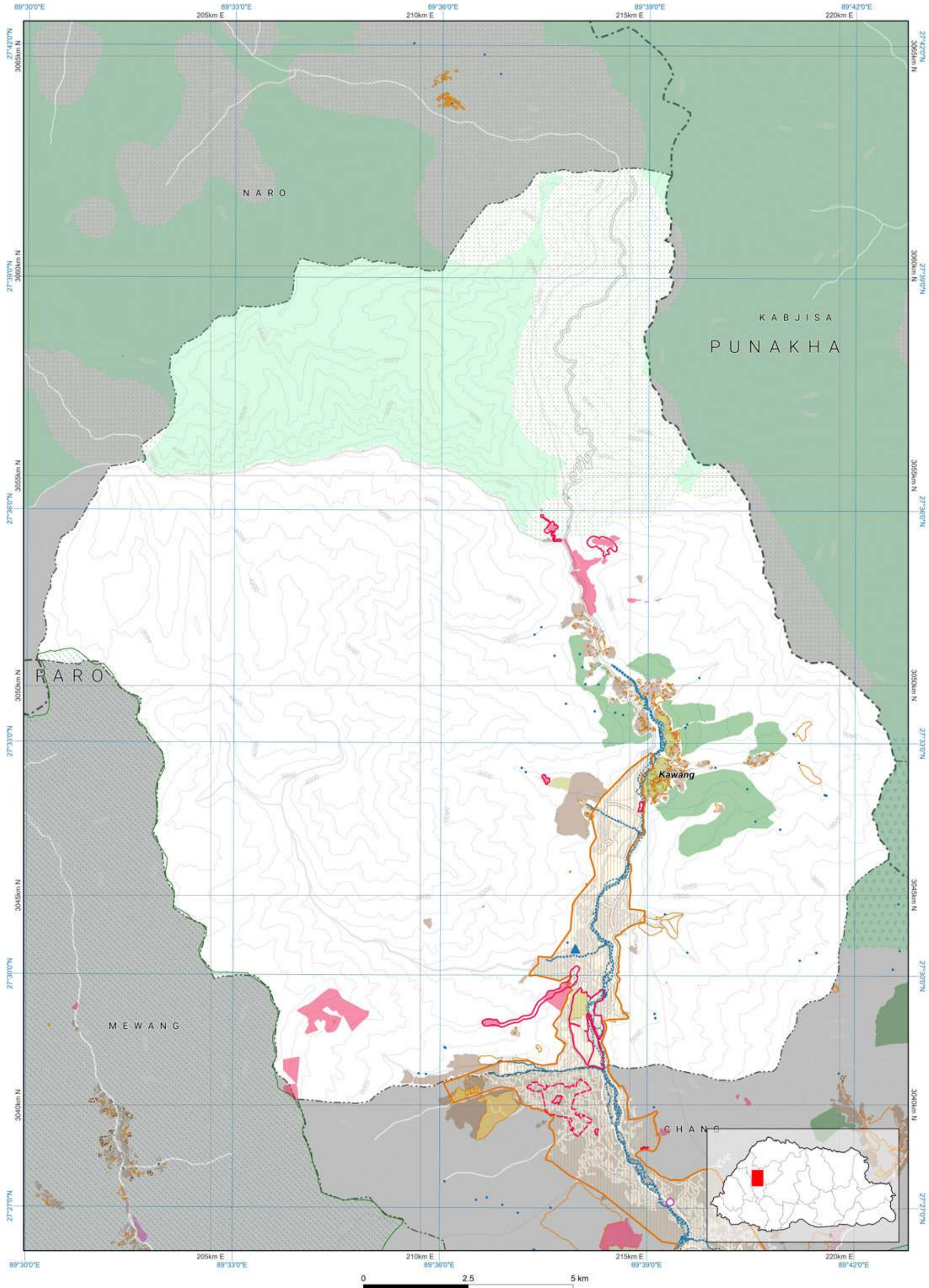
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Data Ownership

Data Owner of the Map Content
Bhutan Power Corporation Limited Druk Holding and Investment
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development Ministry of Home Affairs
Department of Human Settlement Ministry of Infrastructure and Transport
National Centre for Hydrology and Meteorology
National Land Commission Secretariat

Thimphu: Kawang

## National Land Use Zoning 2023



**Disclaimer:** This map, designed by NLCS, is an essential component of the limited edition of NLUZ Baseline report 2023 and should be used along with the report. More specific information on the data is available from the rightful owner listed on the opposite page.

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Zone Area

Gewog		Lingzhi
Gewog code		1406
Gewog area		95572.752
Zone		Area
Agriculture		78.541
Cultural Heritage		70.191
Industrial		0.523
NCA		95572.752
Rangeland		0
Rural Settlement		43.974
SFMA		0
Urban		0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

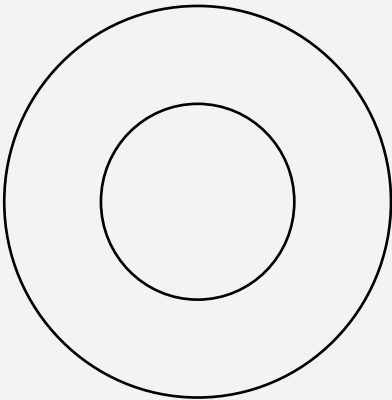
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	78.541	0	70.191	0.523	43.974	0
Agriculture	0	78.541	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	70.191	0	0	0	0	0	0
Industrial	0	0.523	0	0	0	0	0	0
Rural Settlement	0	43.974	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population		Sex ratio	Aging Index	Number of household
	Male	Female			
Lingzhi	276	214	490	129.0	16.4
					92
					5.1

Data Ownership

Data Owner of the Map Content	
Department of Forests and Park Services	Ministry of Energy and Natural Resources
Department of Water	Ministry of Energy and Natural Resources
Department of Air Transport	Ministry of Infrastructure and Transport
National Centre for Hydrology and Meteorology	
National Land Commission Secretariat	

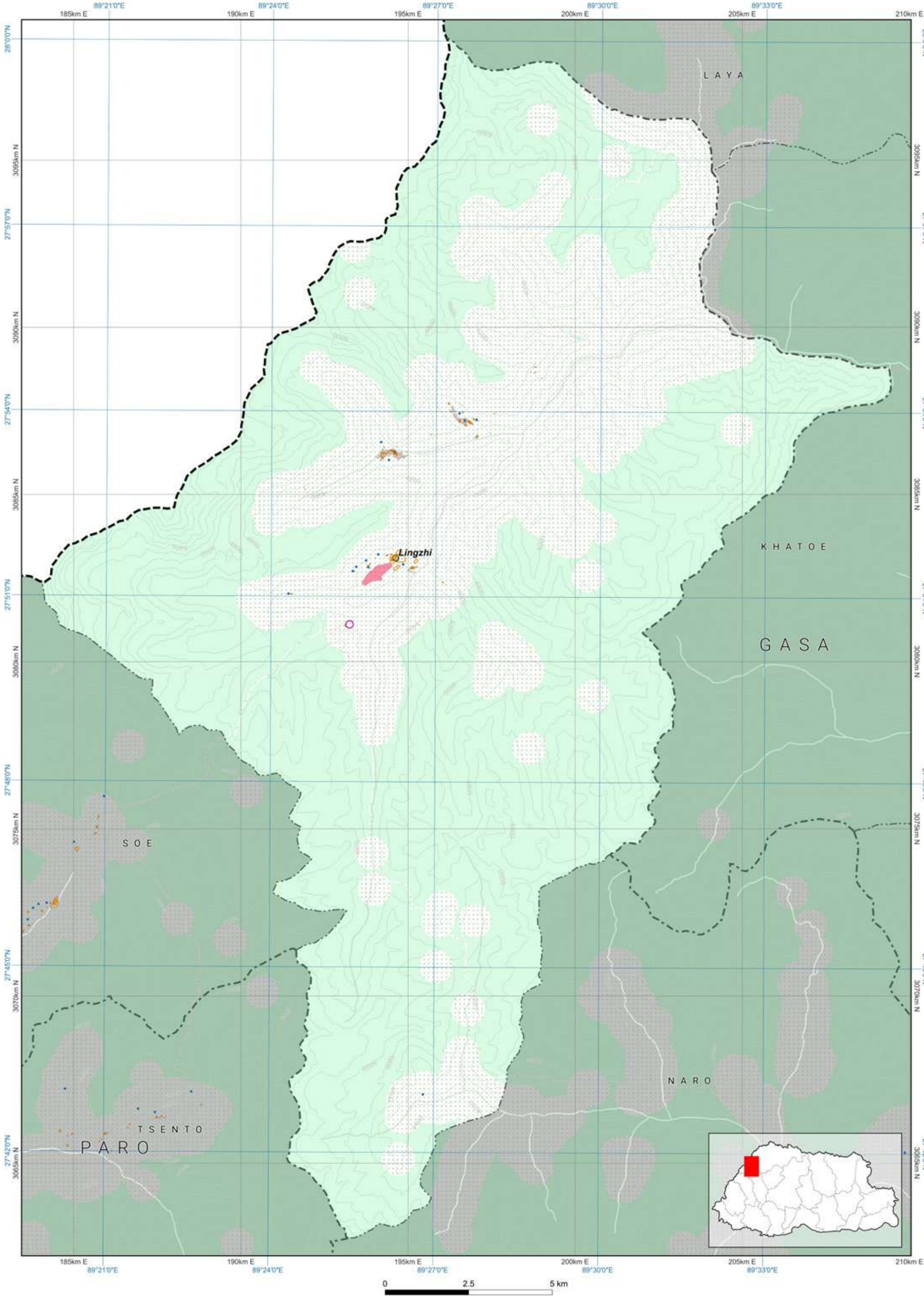
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
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    - Transistion Zone
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  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
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  - Outburst Flood
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    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Thimphu: Lingzhi

National Land Use Zoning 2023



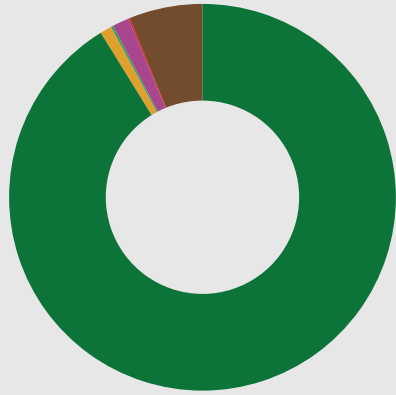
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## Zone Area

Gewog	Mewang
Gewog code	1407
Gewog area	56790.181
Zone	Area
Agriculture	2253.329
Cultural Heritage	44.454
Industrial	513.23
NCA	74.384
Rangeland	0
Rural Settlement	353.993
SFMA	33488.754
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	10.091	733.198	0	10.091	290.479	85.325	0
NCA	73.623	0	0	0	0	0	0	0
Agriculture	733.198	0	0	0	0	0.02	0	0
Urban	0	0	0	0	0	0	0	0
Culture	10.091	0	0	0	0	0	0	0
Industrial	290.479	0	0.02	0	0	0	0	0
Rural Settlement	85.325	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	53.196	0	39.190	0	0	2.839	5.539	0
Road	44.623	0	16.757	0	0.147	3.839	6.693	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	211.49
Road	150.946
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
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  - Residential Land
  - Institutional Land
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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
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  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
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  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

### Basemap

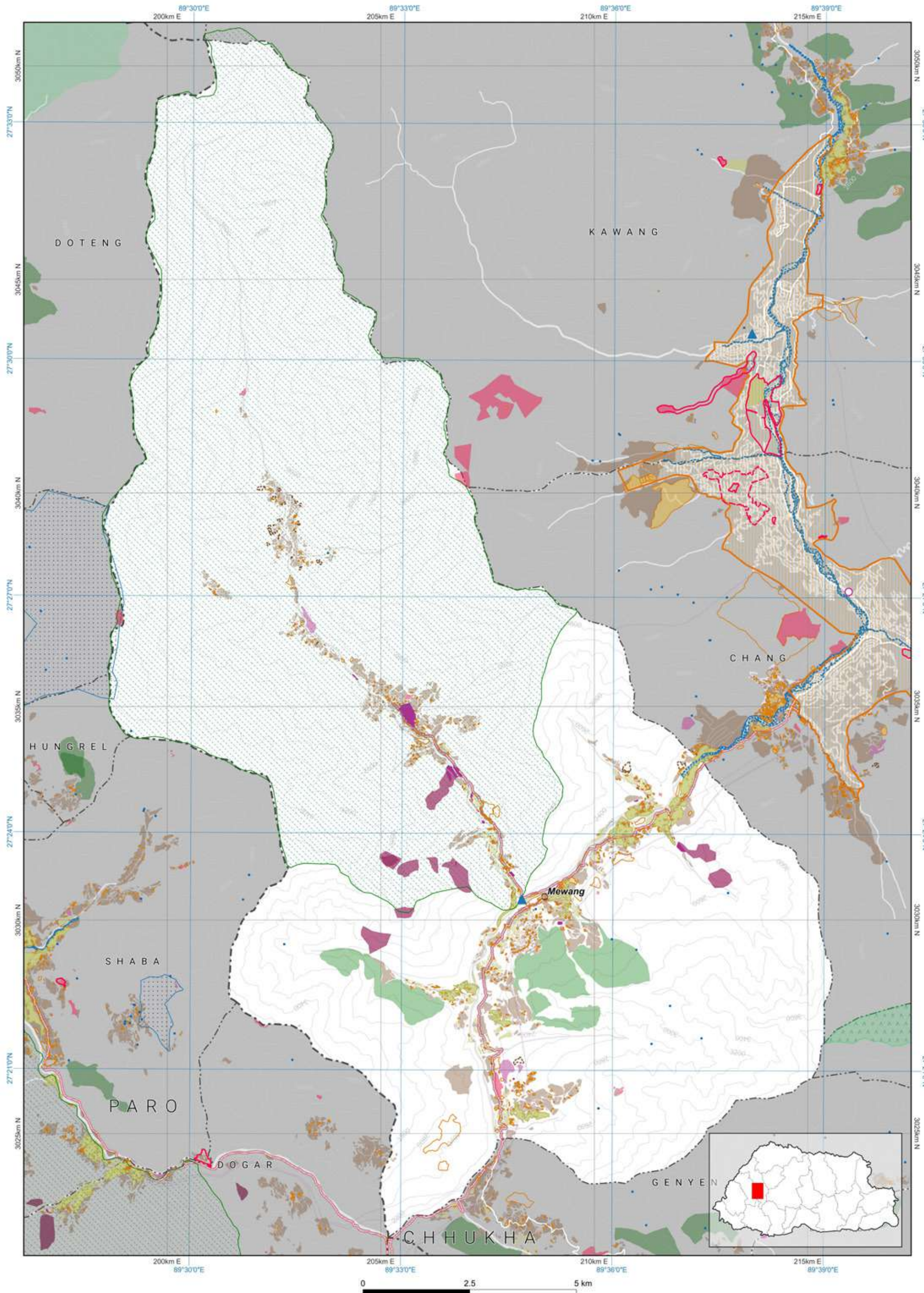
- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
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- Roads for different map scales
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  - Farm 5k

## Data Ownership

Data Owner of the Map Content
Bhutan Power Corporation Limited Druk Holding and Investment
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Industry Ministry of Industry, Commerce and Employment
Department of Surface Transport Ministry of Infrastructure and Transport
National Centre for Hydrology and Meteorology
National Land Commission Secretariat

## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Mewang	3559	3274	6,833	108.7	22.5	1,505
Khasadrapchu Town	457	509	966	89.8	10.2	236



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Zone Area

Gewog	Naro
Gewog code	1408
Gewog area	69568.373

Zone	Area
Agriculture	1.829
Cultural Heritage	0.13
Industrial	0.433
NCA	68144.811
Rangeland	0
Rural Settlement	30.203
SFMA	0.051
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

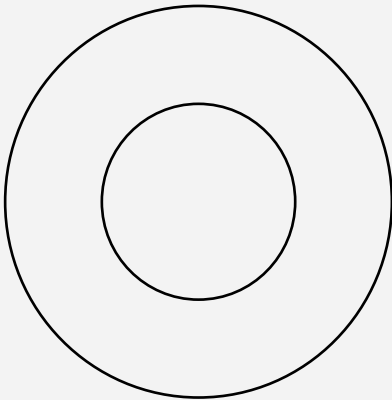
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	1.829	0	0.13	0.433	30.203	0
Agriculture	0	1.829	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0.13	0	0	0	0	0	0
Industrial	0	0.433	0	0	0	0	0	0
Rural Settlement	0	30.203	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
Gewog / Throm	Male	Female	Total				
Naro	163	87	250	187.4	18.8	44	5

Data Ownership

Data Owner of the Map Content
Department of Forests and Park Services
Ministry of Energy and Natural Resources
Department of Water
Ministry of Energy and Natural Resources
National Centre for Hydrology and Meteorology
National Land Commission Secretariat

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
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  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
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  - Water Sources
- Industrial
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  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

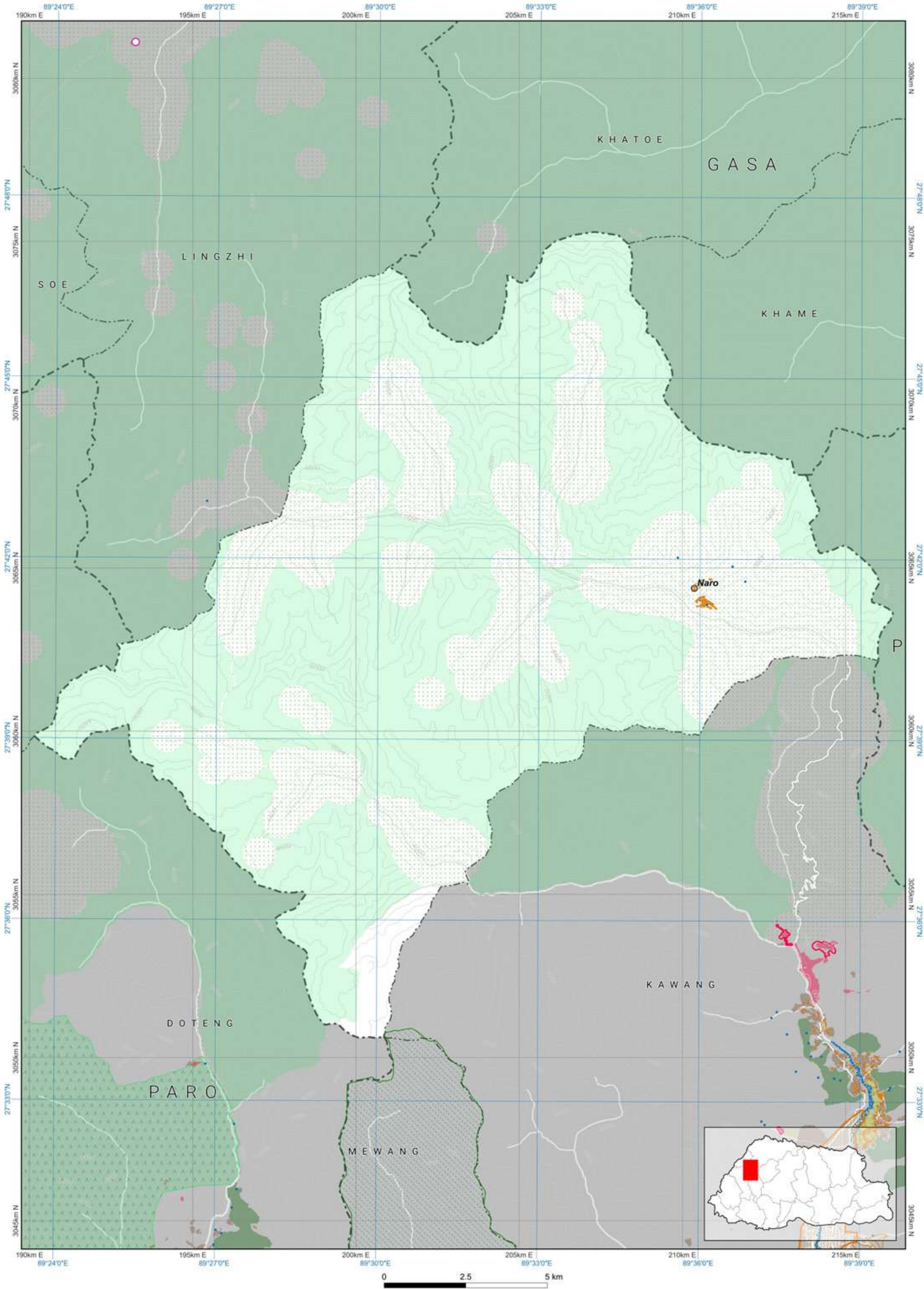
- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
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- Access 5k
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Thimphu: Naro

National Land Use Zoning 2023



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Zone Area

Gewog		Soe
Gewog code		1409
Gewog area		44130.715
Zone		Area
Agriculture		9.215
Cultural Heritage		0.576
Industrial		0.294
NCA		40863.788
Rangeland		0
Rural Settlement		13.574
SFMA		0
Urban		0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

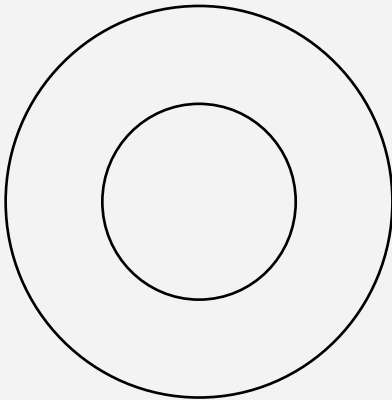
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	9.215	0	0.576	0.294	13.574	0
Agriculture	0	9.215	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0.576	0	0	0	0	0	0
Industrial	0	0.294	0	0	0	0	0	0
Rural Settlement	0	13.574	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Soe	101	81	182	124.7	17.9	37

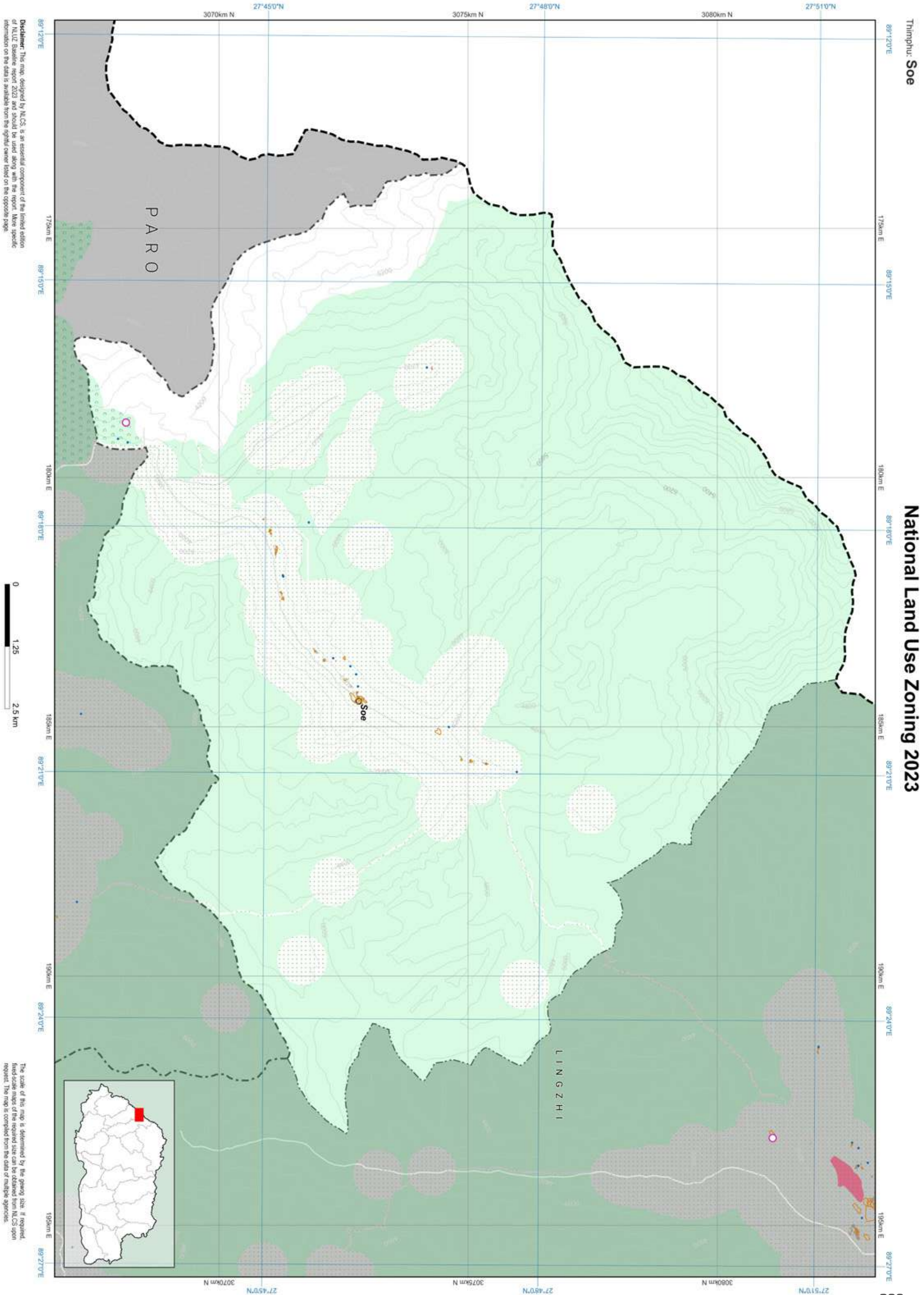
Data Ownership

Data Owner of the Map Content	
Department of Forests and Park Services	Ministry of Energy and Natural Resources
Department of Water	Ministry of Energy and Natural Resources
Department of Air Transport	Ministry of Infrastructure and Transport
National Centre for Hydrology and Meteorology	
National Land Commission Secretariat	

Map Legend

National Land Use Zoning

- Agricultural Land
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  - Heritage Village
  - Heritage Conservation Zone
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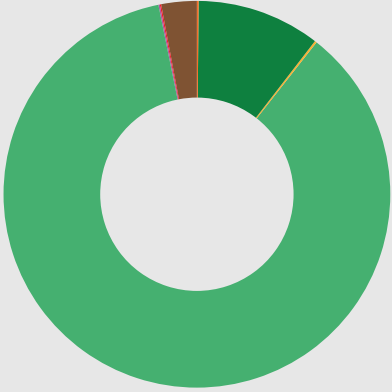


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Zone Area

Dzongkhag	Trongsa
Dzongkhag code	17
Dzongkhag area	447256.837
Zone	Area
Agriculture	10778.187
Culture	404.152
Industrial	435.739
NCA	313401.435
Rangeland	0
Rural Settlement	609.838
SFMA	37504.908
Urban	506.511



■ Agriculture  
■ Culture  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	23285.75	275.183	0	5.122	70.821	17.731	0
NCA	23285.75	0	3023.658	0	243.836	45.046	77.789	0
Agriculture	275.183	3023.658	0	8.944	214.606	0.25	0	0
Urban	0	0	8.944	0	36.071	0	0.136	0
Culture	5.122	243.836	214.606	36.071	0	0	13.191	0
Industrial	70.821	45.046	0.25	0	0	0	0	0
Rural Settlement	17.731	77.789	0	0.136	13.191	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	92.293	184.136	81.454	0	1.704	18.358	6.555	0
Road	178.199	149.007	80.692	0	0.295	5.914	14.916	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	783.204
Road	1250.332
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Demographic Table

Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Trongsa	11,878	8,082	19,960	147.0	26.7	3,690

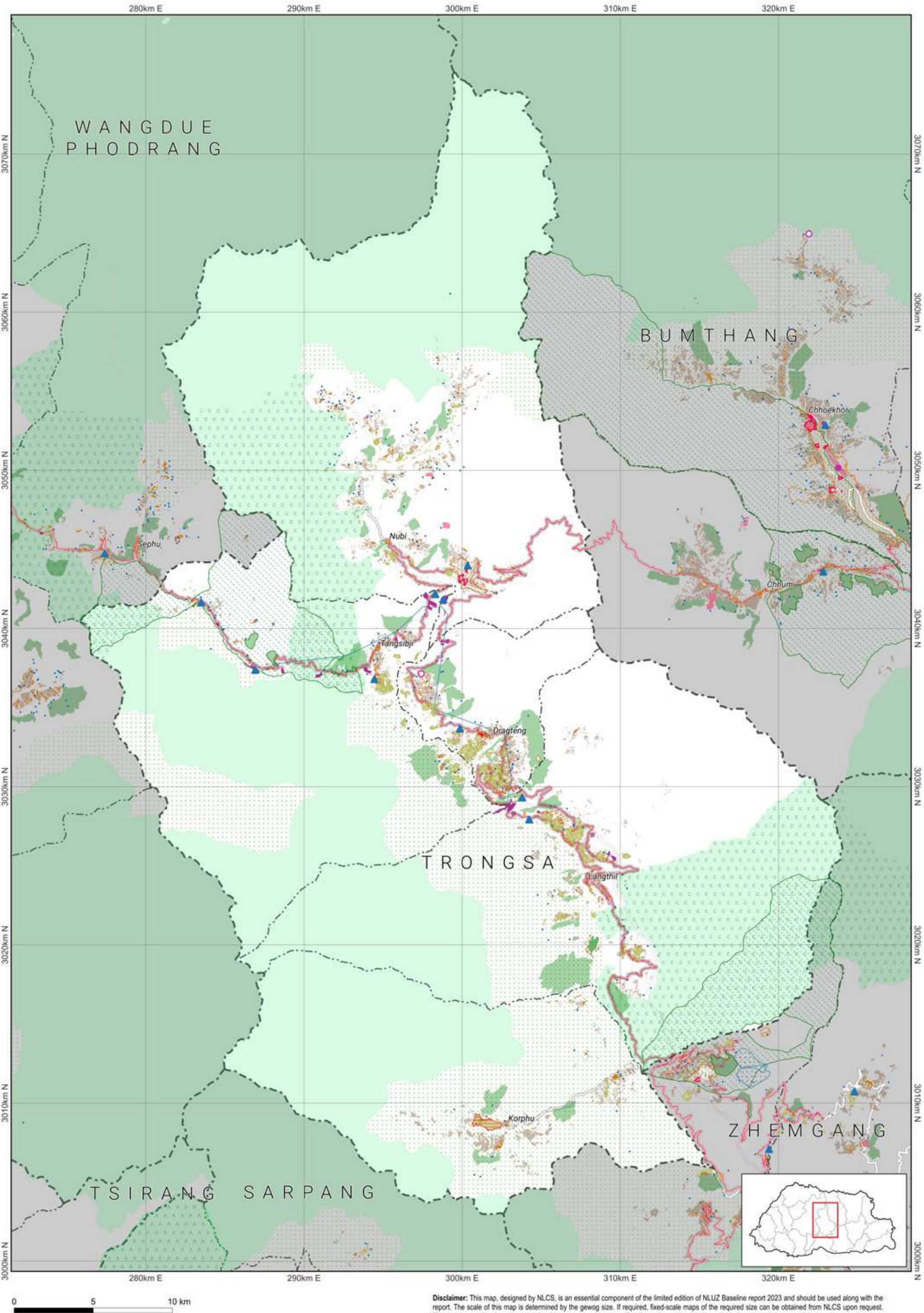
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  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Trongsa

National Land Use Zoning 2023



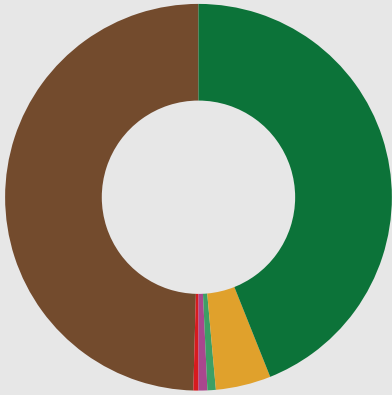




Zone Area

Gewog	Dragteng
Gewog code	1701
Gewog area	20994

Zone	Area
Agriculture	2565.467
Cultural Heritage	22.241
Industrial	37.934
NCA	36.132
Rangeland	0
Rural Settlement	238.613
SFMA	2274.586
Urban	0



All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0.099		0	0	0	0	0
NCA	0.099	0	1.13	0	0	0	0	0
Agriculture	0	1.13	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	3.984	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	3.984	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	8.463	0	19	0	1.704	0.925	3.449	0
Road	12.475	0	41.896	0	0.031	2.662	6.743	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	94.597
Road	257.259
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Dragteng	3,563	2,637	6,200	135.1	22.8	994
Kuengarabten Town	232	192	424	120.8	15.9	112

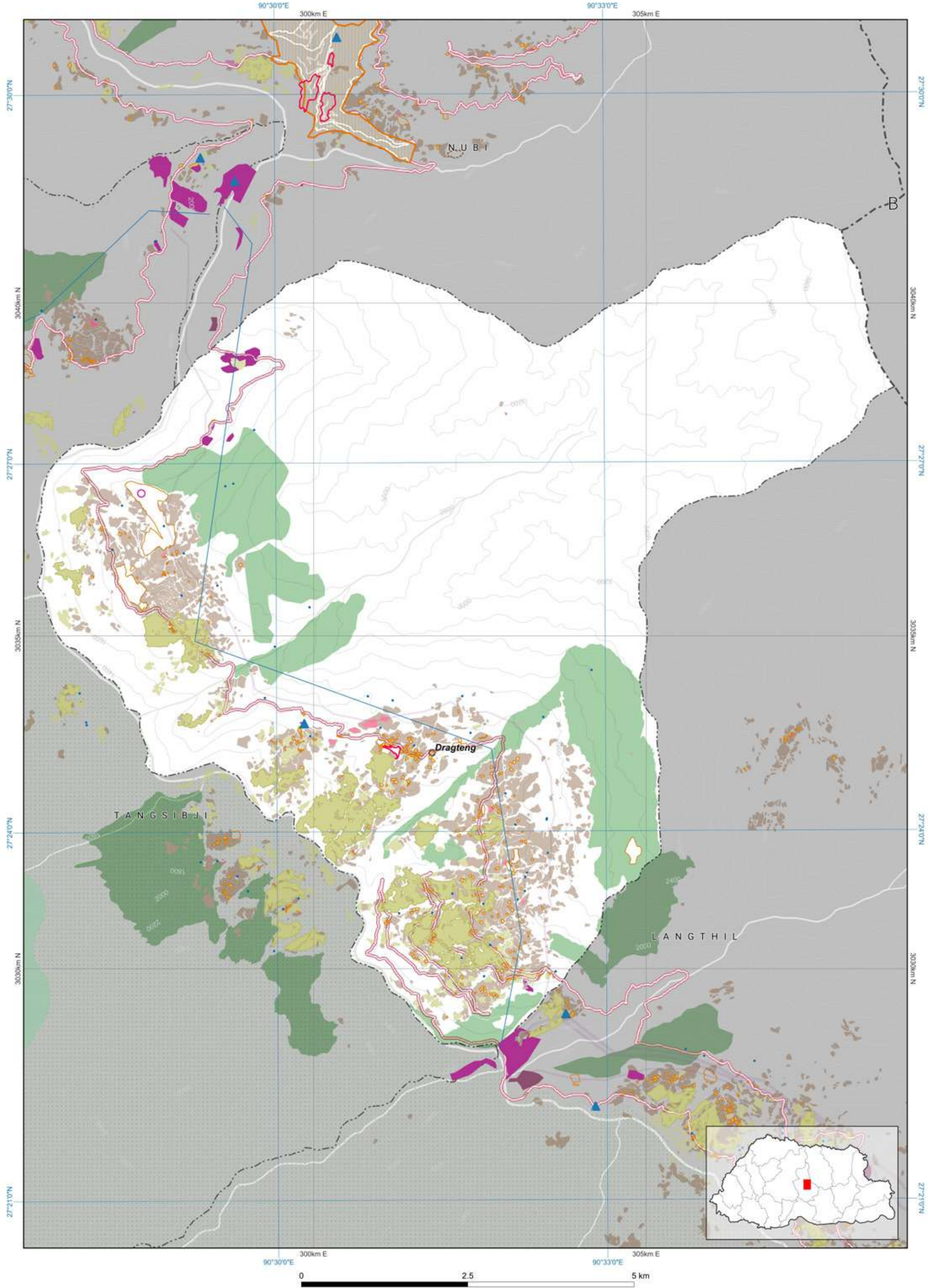
Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
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    - Industrial 5k
    - Farm 5k

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Department of Culture and Dzongkha Development Ministry of Home Affairs
Department of Air Transport Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat



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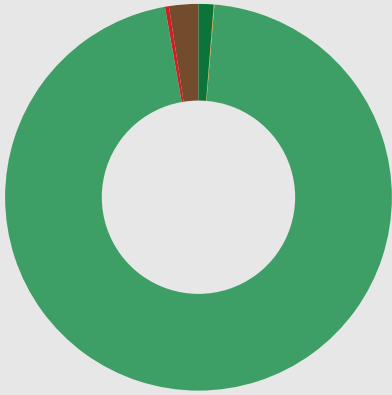


# KORPHU

## Zone Area

Gewog	Korphu
Gewog code	1702
Gewog area	71078

Zone	Area
Agriculture	1815.295
Cultural Heritage	242.974
Industrial	0.097
NCA	71049.035
Rangeland	0
Rural Settlement	45.339
SFMA	930.493
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	930.493	0.00	0	0	0	0	0
NCA	930.493	0	1,815.295	0	242.974	0.097	45.339	0
Agriculture	0	1,815.295	0	0	214.606	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	242.974	214.606	0	0	0	9.207	0
Industrial	0	0.097	0	0	0	0	0	0
Rural Settlement	0	45.339	0	0	9.207	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	5.998	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	5.998
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

### Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake
- Outburst Flood
- Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

### Rangeland

- Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
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  - Perennial
- Terrain
  - Contour

### Roads for different map scales

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- Highway 50k
- Highway 25k
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- Dzongkhag 25k
- Dzongkhag 5k

- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

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Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Culture and Dzongkha Development  
Ministry of Home Affairs

National Land Commission Secretariat

## Demographic Table

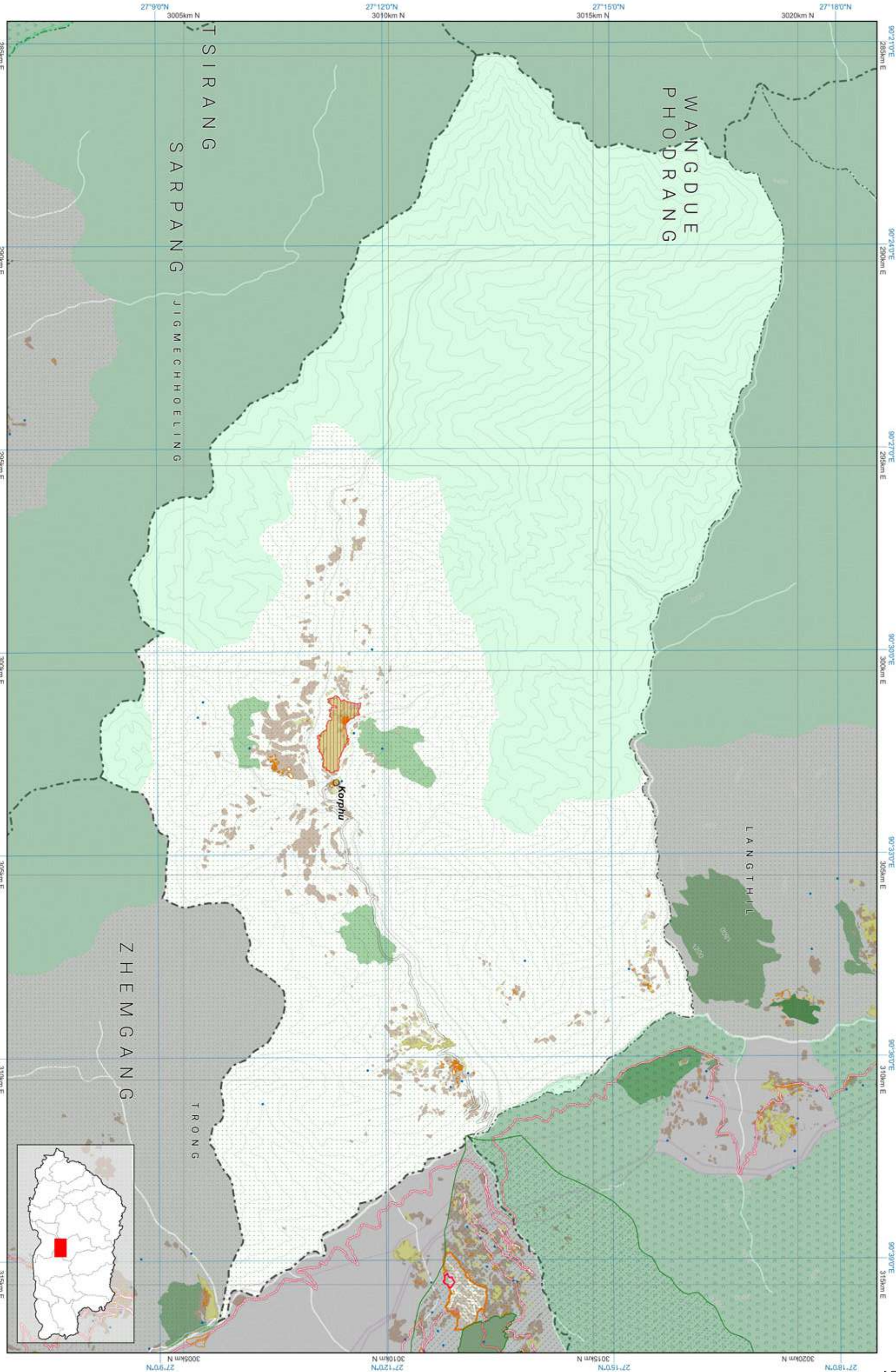
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Korphu	404	345	749	117.1	69.9	203

3.6

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0 1.25 2.5 km

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Tongsa Korphu

National Land Use Zoning 2023



# TRONGSA

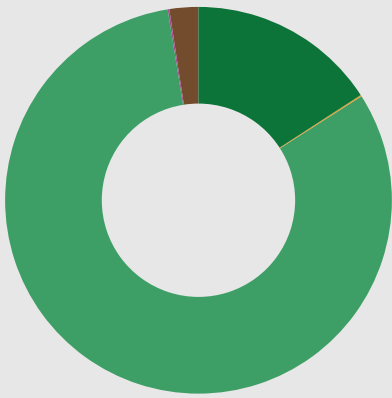


LANGTHIL

Zone Area

Gewog	Langthil
Gewog code	1703
Gewog area	125932

Zone	Area
Agriculture	2405.175
Cultural Heritage	1.919
Industrial	131.196
NCA	81159.041
Rangeland	0
Rural Settlement	118.672
SFMA	15781.525
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	15116.289	16.23	0	0	0	0	0
NCA	15116.289	0	614.45	0	0	4.685	19.943	0
Agriculture	16.23	614.45	0	0	0	0.25	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	4.685	0.25	0	0	0	0	0
Rural Settlement	0	19.943	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	83.831	178.137	62	0	0	17.433	3.106	0
Road	31.714	95.435	29	0	0.011	1.273	5.12	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	667.957
Road	444.055
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
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  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
- Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
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Basemap

- Boundaries
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  - Gewog
- Rivers
  - Main river
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  - Contour

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- Access 5k
- Industrial 5k
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Department of Geology and Mines Ministry of Energy and Natural Resources
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National Land Commission Secretariat

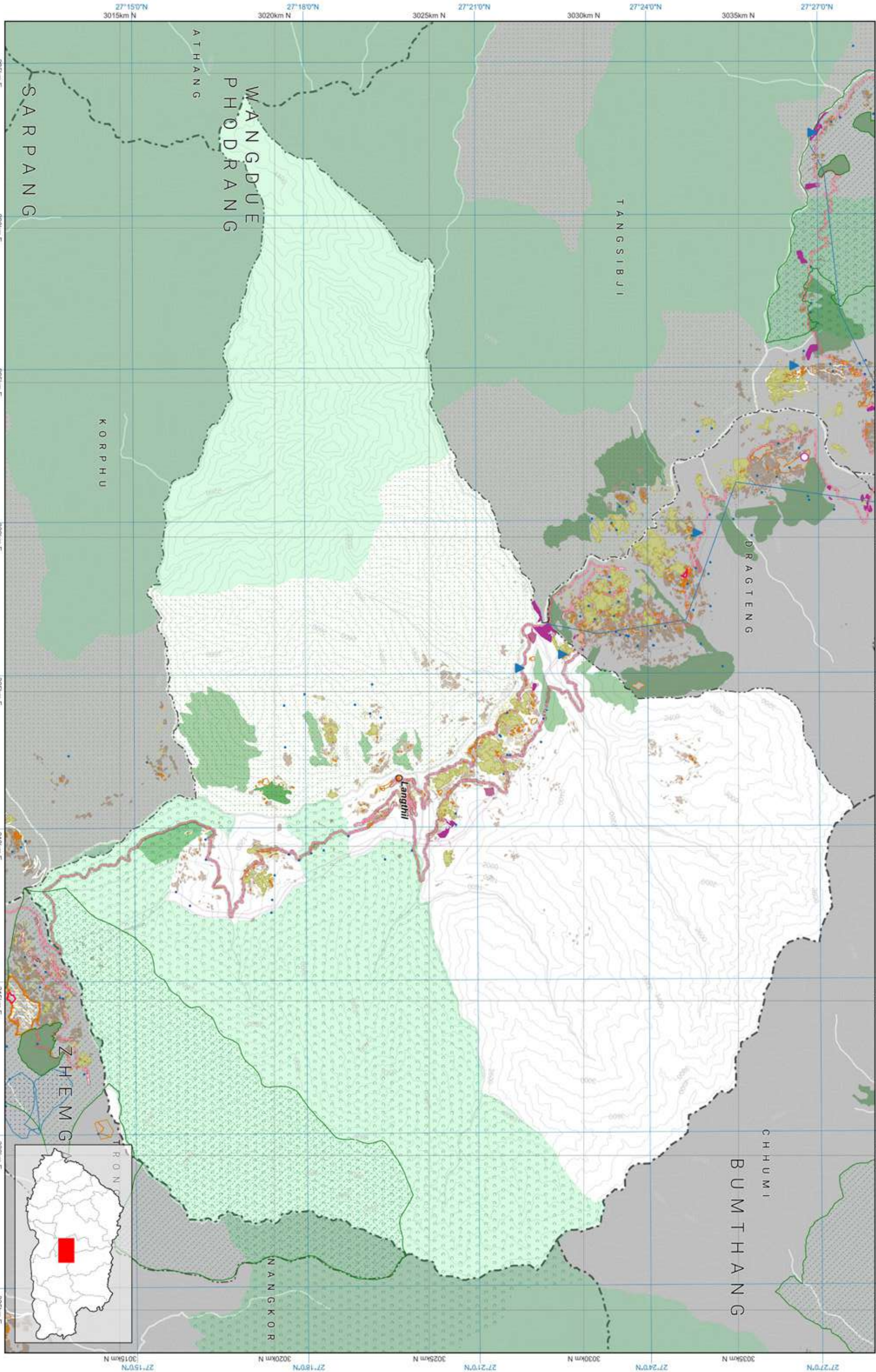
Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Langthil	2,332	1,418	3,750	164.5	28.1	748
						Mean Household size
						3.5

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0 1.25 2.5 km

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National Land Use Zoning 2023



TRONGSA

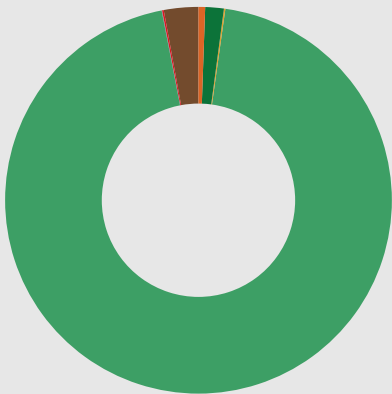




Zone Area

Gewog	Nubi
Gewog code	1704
Gewog area	137965

Zone	Area
Agriculture	2643.986
Cultural Heritage	126.704
Industrial	36.918
NCA	87014.792
Rangeland	0
Rural Settlement	111.488
SFMA	1423.447
Urban	506.511



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	17.891	0.00	0	0	0	0	0
NCA	17.891	0	124.61	0	0	0	1.062	0
Agriculture	0	124.61	0	8.944	0	0	0	0
Urban	0	0	8.944	0	36.071	0	0.136	0
Culture	0	0	0	36.071	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	1.062	0	0.136	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0.054	0	3.768	0	0.151	0.092	0.821	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	5.462
Road	307.846
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
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- Rural Settlement
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- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
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  - Road
  - Powerlines
  - Flight Funnel
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  - High Conservation Value
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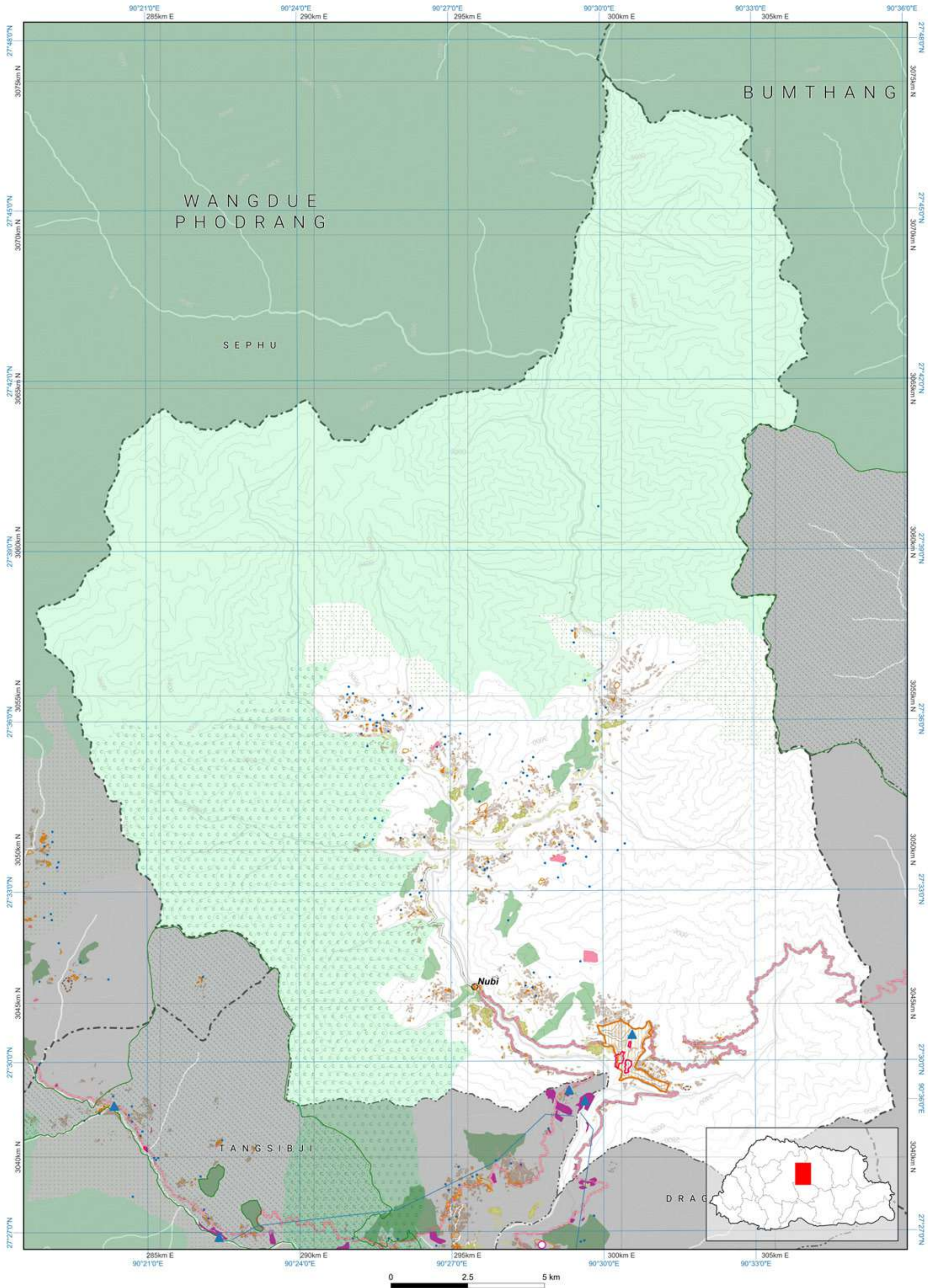
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Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
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Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Nubi	2,075	1,096	3,171	189.3	41.6	481
Trongsa Town	1,667	1,455	3,122	114.6	11.4	660

Trongsa: Nubi

National Land Use Zoning 2023



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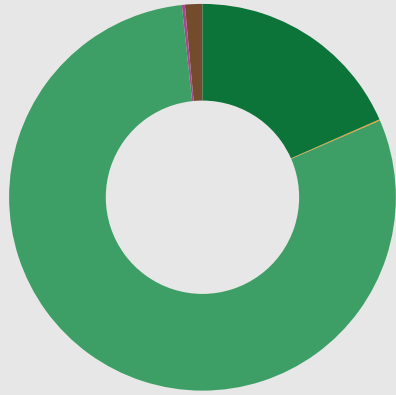
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## Zone Area

Gewog	Tangsibji
Gewog code	1705
Gewog area	91288

Zone	Area
Agriculture	1348.263
Cultural Heritage	10.314
Industrial	229.594
NCA	74142.434
Rangeland	0
Rural Settlement	95.725
SFMA	17094.856
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	7220.978	258.95	0	5.122	70.821	17.731	0
NCA	7220.978	0	468.18	0	0.862	40.264	11.444	0
Agriculture	258.95	468.18	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	5.122	0.862	0	0	0	0	0	0
Industrial	70.821	40.264	0	0	0	0	0	0
Rural Settlement	17.731	11.444	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	133.957	53.572	6.414	0	0.102	1.887	2.233	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	9.191
Road	241.173
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

Rural Settlement

- Residential Land
- Institutional Land

Sustainable Forest Management Area

- Forest Management Unit
- Community Forest

Cultural Heritage

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

Urban

- Urban Zone

Nature Conservation Area

Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

Wetland

- Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake
- Outburst Flood
- Right Of Way / Buffer

Heritage

- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

Rangeland

- Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
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- Hydro Power Plants
- Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

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- Highway 300k
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Ministry of Infrastructure and Transport

National Land Commission Secretariat

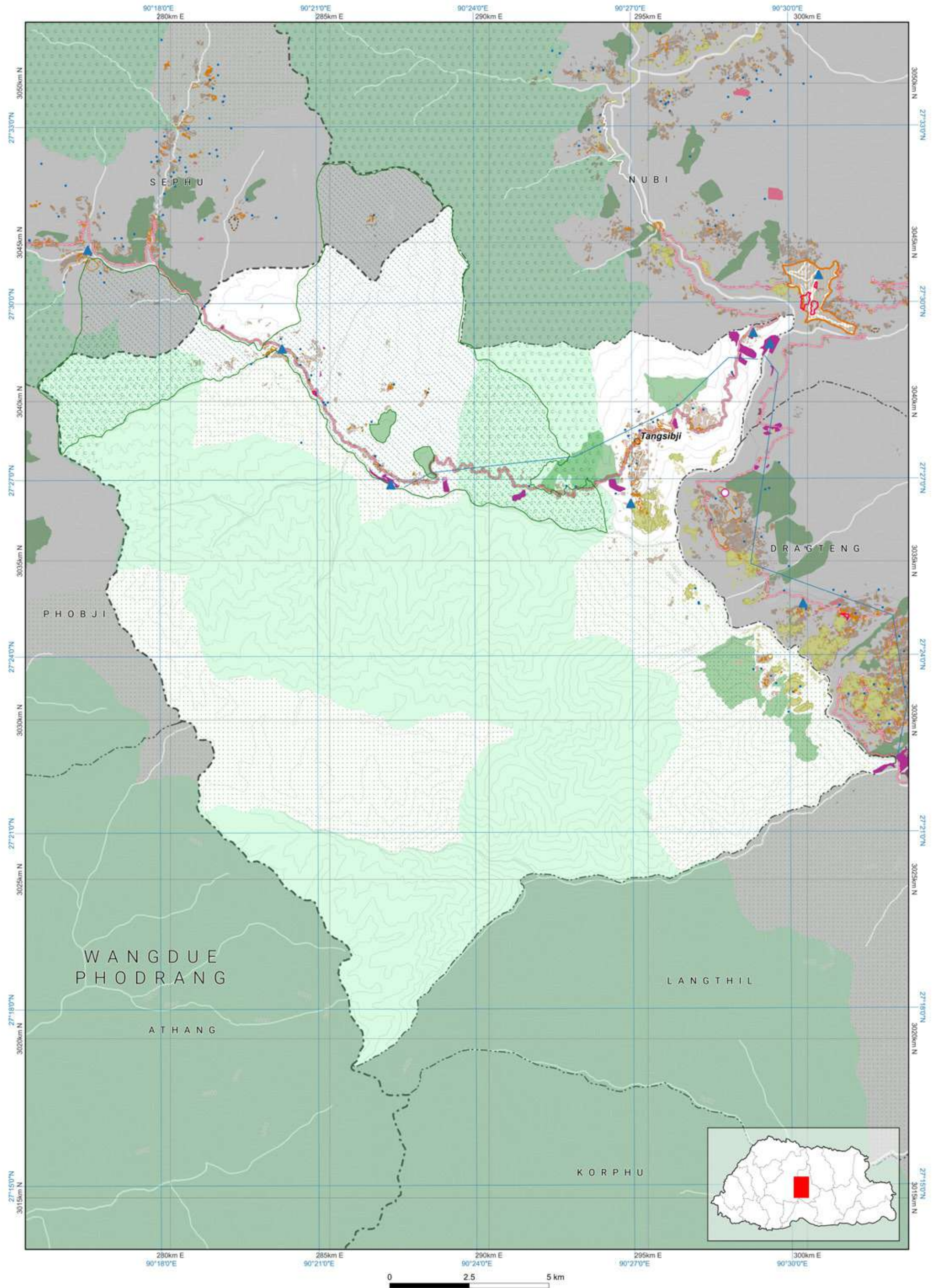
## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)

Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Tangsibji	1,605	939	2,544	170.9	32.2	492	3.3

Trongsa: Tangsibji

## National Land Use Zoning 2023



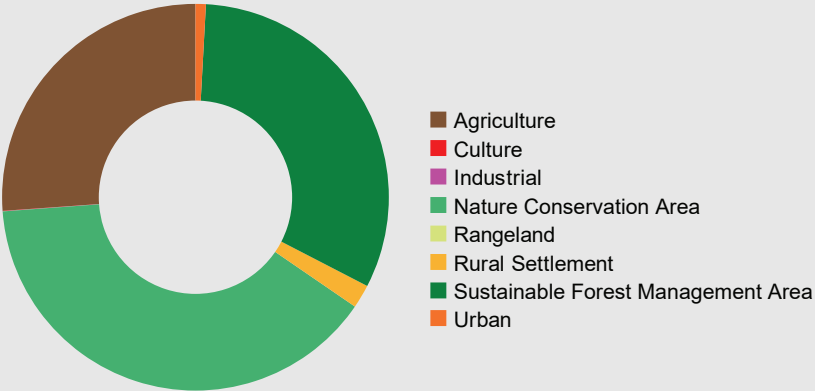
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Zone Area

Dzongkhag		Tsirang
Dzongkhag code		18
Dzongkhag area		157526.957
Zone		Area
Agriculture		18260.609
Culture		22.125
Industrial		7.8
NCA		27438.091
Rangeland		0
Rural Settlement		1381.89
SFMA		22176.263
Urban		601.885



Zone Conflict

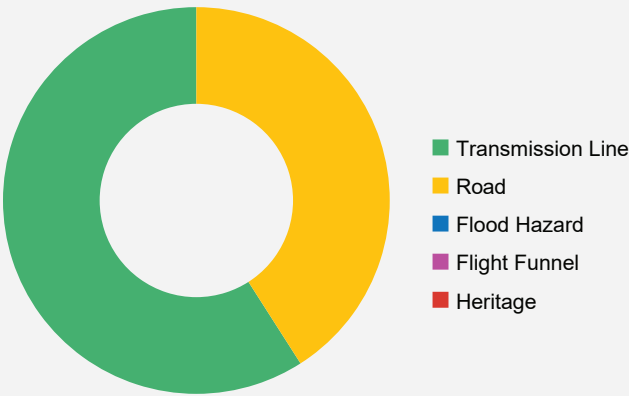
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	1687.447	0.02	0	0	0	0.28	0
NCA	1687.447	0	356.79	0	0	0.1	15.438	0
Agriculture	0.02	356.79	0	51.913	0	0.3	0.038	0
Urban	0	0	51.913	0	8.783	0.154	6.512	0
Culture	0	0	0	8.783	0	0	0	0
Industrial	0	0.1	0.3	0.154	0	0	0	0
Rural Settlement	0.28	15.438	0.038	6.512	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	110.565	40.522	142.748	0.198	0	0	4.946	0
Road	57.812	50.125	45.707	0	0.125	0.365	5.217	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	618.446
Road	428.768
Flood Hazard	0
Flight Funnel	0
Heritage	0



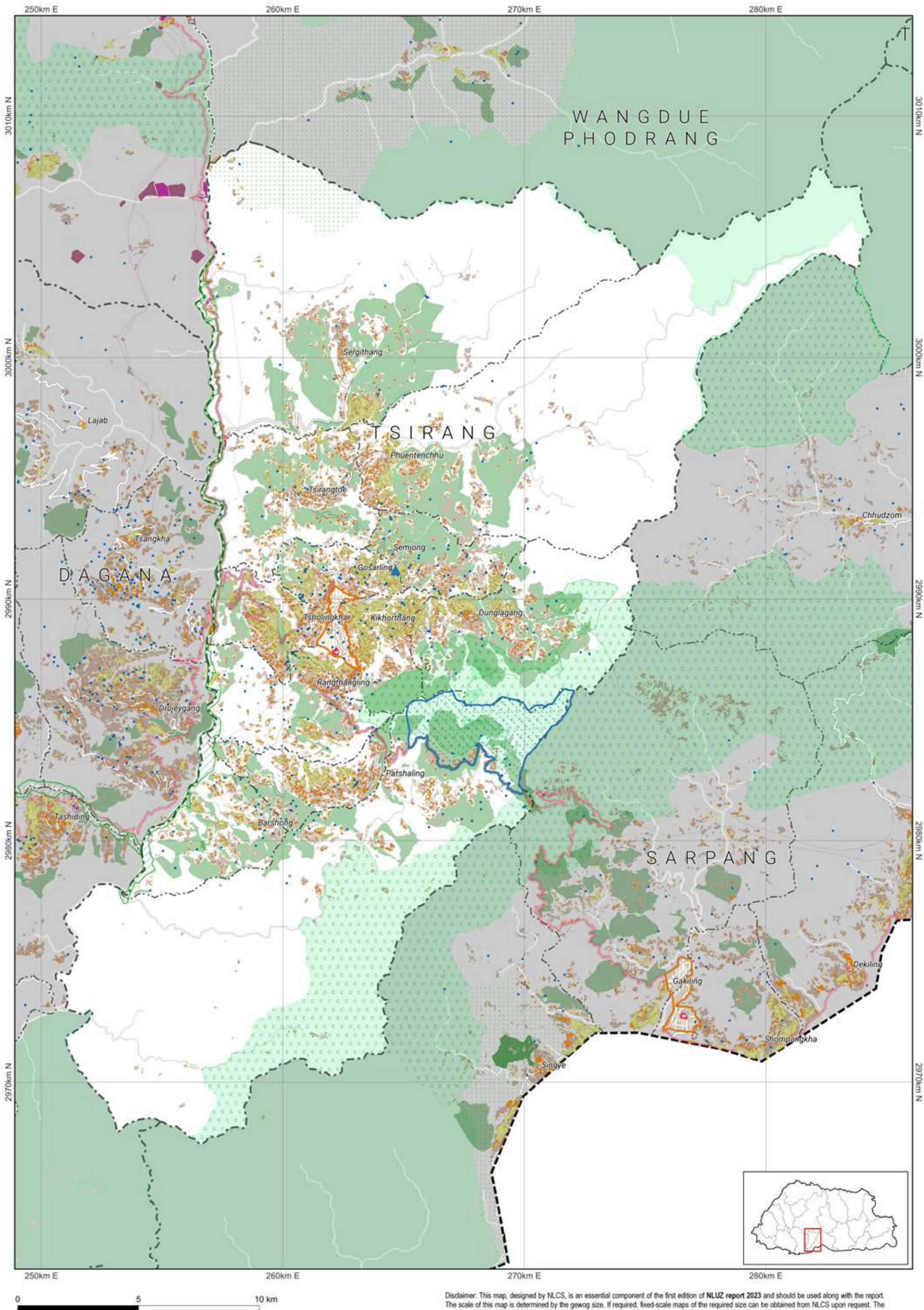
Demographic Table

Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Tsirang	11,526	10,850	22,376	106.2	30.1	5,063

Map Legend

National Land Use Zoning

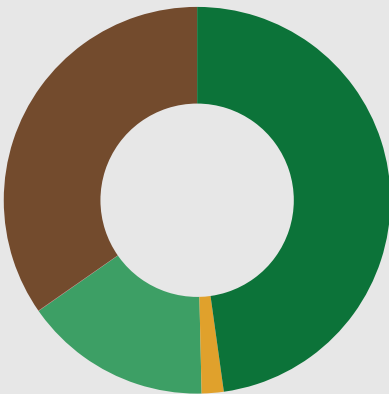
- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k





Zone Area

Gewog		Barshong
Gewog code		1801
Gewog area		5355.109
Zone		Area
Agriculture		1080.236
Cultural Heritage		0.852
Industrial		0.199
NCA		487.998
Rangeland		0
Rural Settlement		57.231
SFMA		1488.979
Urban		0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	20.99	0	0	0	0	0	0
NCA	20.99	0	6.84	0	0	0	0	0
Agriculture	0	6.84	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	4.926	0.018	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	5.038
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

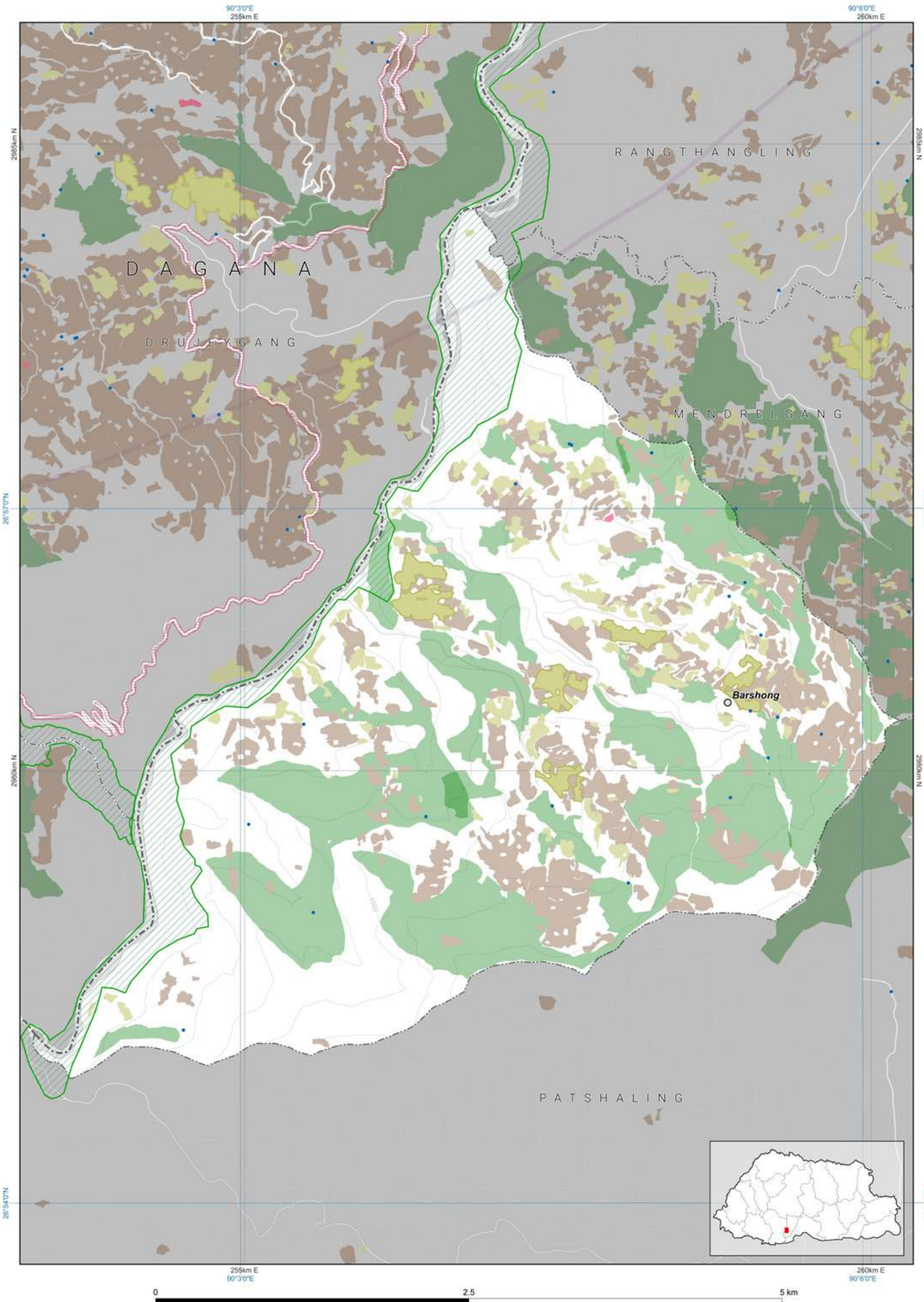
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  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
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  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
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  - Ramsar Site
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  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
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  - Boundaries
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    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Barshong	423	419	842	101.0	49.7	224	3.8

Data Ownership

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Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat



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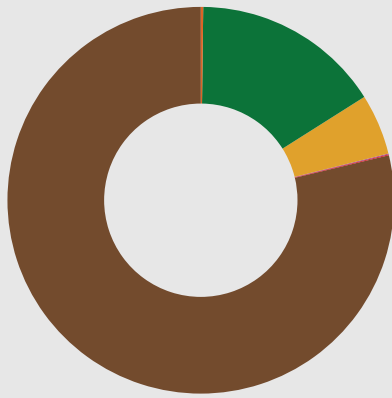




Zone Area

Gewog	Gosarling
Gewog code	1804
Gewog area	2481.811

Zone	Area
Agriculture	1281.171
Cultural Heritage	1.267
Industrial	1.169
NCA	0
Rangeland	0
Rural Settlement	82.726
SFMA	257.577
Urban	3.251



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0.135	0	0	0	0
Urban	0	0	0.135	0	0	0.136	0.002	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0.136	0	0	0	0
Rural Settlement	0	0	0	0.002	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	4.255	0	0.053	0.254	0.366	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	14.976
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

Agricultural Land

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

Rural Settlement

- Residential Land
- Institutional Land

Sustainable Forest Management Area

- Forest Management Unit
- Community Forest

Cultural Heritage

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

Urban

- Urban Zone

Nature Conservation Area

Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

Wetland

- Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

Rangeland

- Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

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Ministry of Agriculture and Livestock

Department of Forests and Park Services  
Ministry of Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

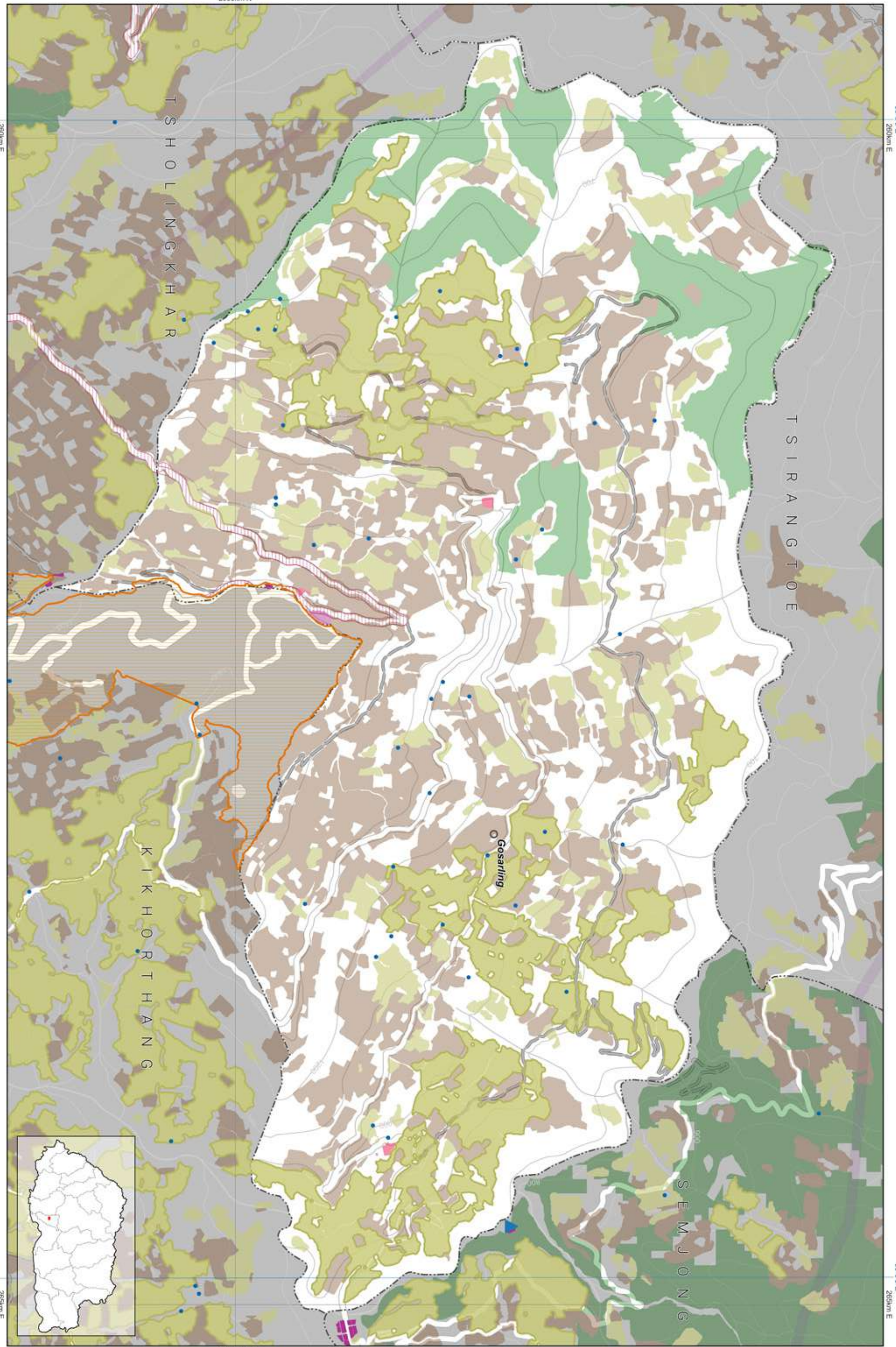
Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Gosarling	925	939	1,864	98.5	30.8	434	4.2

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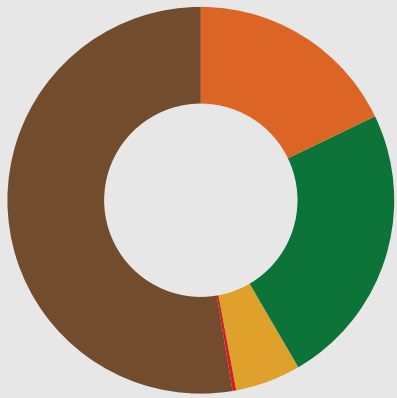






Zone Area

Gewog	Kikhorthang
Gewog code	1805
Gewog area	4370.206
Zone	Area
Agriculture	1750.255
Cultural Heritage	10.156
Industrial	0.018
NCA	0.011
Rangeland	0
Rural Settlement	182.28
SFMA	789.147
Urban	593.816



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0.011	0	0	0	0	0	0
NCA	0.011	0	0	0	0	0	0	0
Agriculture	0	0	0	50.125	0	0	0	0
Urban	0	0	50.125	0	8.783	0.018	5.652	0
Culture	0	0	0	8.783	0	0	0	0
Industrial	0	0	0	0.018	0	0	0	0
Rural Settlement	0	0	0	5.652	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	5.632	0.198	0	0	0	0
Road	0	0	1.958	0	0	0	0.587	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	10.88
Road	10.288
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
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- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
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  - Tsamdro
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  - Hydro Power Plants
  - Hydro Power Waterways
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  - Boundaries
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  - Rivers
    - Main river
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  - Terrain
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  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

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Ministry of Energy and Natural Resources

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Ministry of Energy and Natural Resources

Department of Culture and Dzongkha Development  
Ministry of Home Affairs

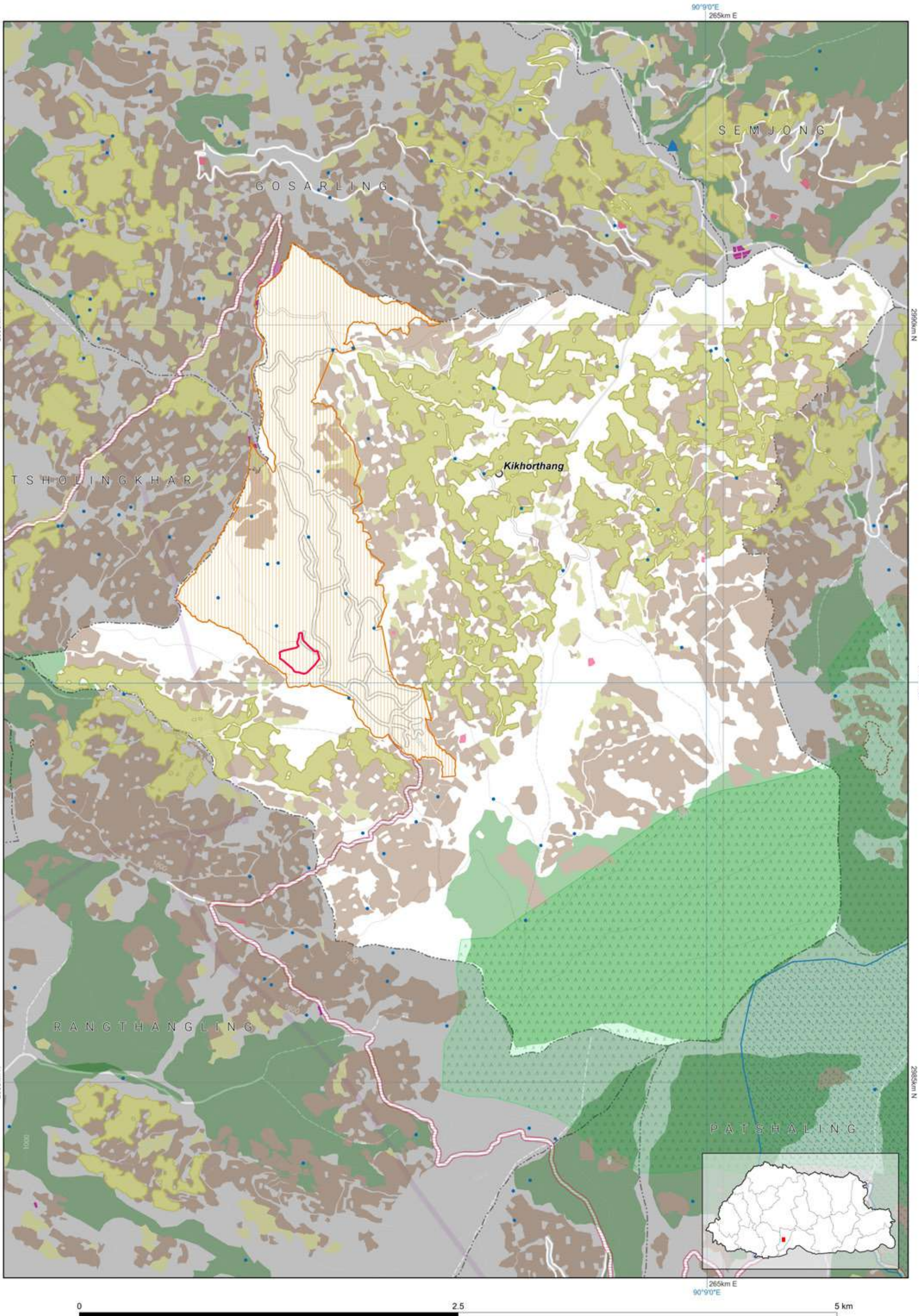
Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Kikhorthang	1,099	1,046	2,145	105.1	34.1	4
Tsirang Town	1,854	1,594	3,448	116.3	12.8	3.9



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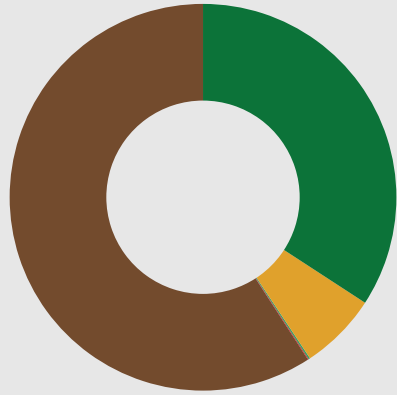
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Zone Area

Gewog	Mendrelgang
Gewog code	1806
Gewog area	3666.791

Zone	Area
Agriculture	1390.065
Cultural Heritage	1.577
Industrial	0.031
NCA	3.252
Rangeland	0
Rural Settlement	152.259
SFMA	803.61
Urban	0



■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	2.025	0	0	0	0	0	0
NCA	2.025	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	3.771	0	2.284	0	0	0	0	0
Road	5.542	0	0.109	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	16.333
Road	10.41
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

Agricultural Land  
Kamzhing  
Protected Chhuzhing  
Regulated Chhuzhing  
Lease Land  
Rural Settlement  
Residential Land  
Institutional Land  
Sustainable Forest Management Area  
Forest Management Unit  
Community Forest

Cultural Heritage  
Religious Sites  
Heritage Village  
Heritage Conservation Zone

Urban  
Urban Zone

Nature Conservation Area

Protected Area  
Core Zone  
Transition Zone  
Buffer Zone  
Multi Use Zone  
Biological Corridor / Botanical Park

Wetland

Ramsar Site

Hazard and Risk

Rain Induced Flood  
Glacier Lake Outburst Flood  
Right Of Way / Buffer

Heritage  
Road  
Powerlines  
Flight Funnel

Other Effective Area-based Conservation Measures

Key Biodiversity Area  
High Conservation Value

Rangeland  
Tsamdro

Significant Watershed

Potential Recharge Area  
Payment for Ecosystem Services  
Water Sources

Industrial

Manufacturing and Production  
Service  
Existing mines  
Airport  
Helipad  
Hydro Power Plants  
Hydro Power Waterways

Basemap

Boundaries  
International  
Dzongkhag  
Gewog

Rivers

Main river  
Perennial

Terrain

Contour

Roads for different map scales

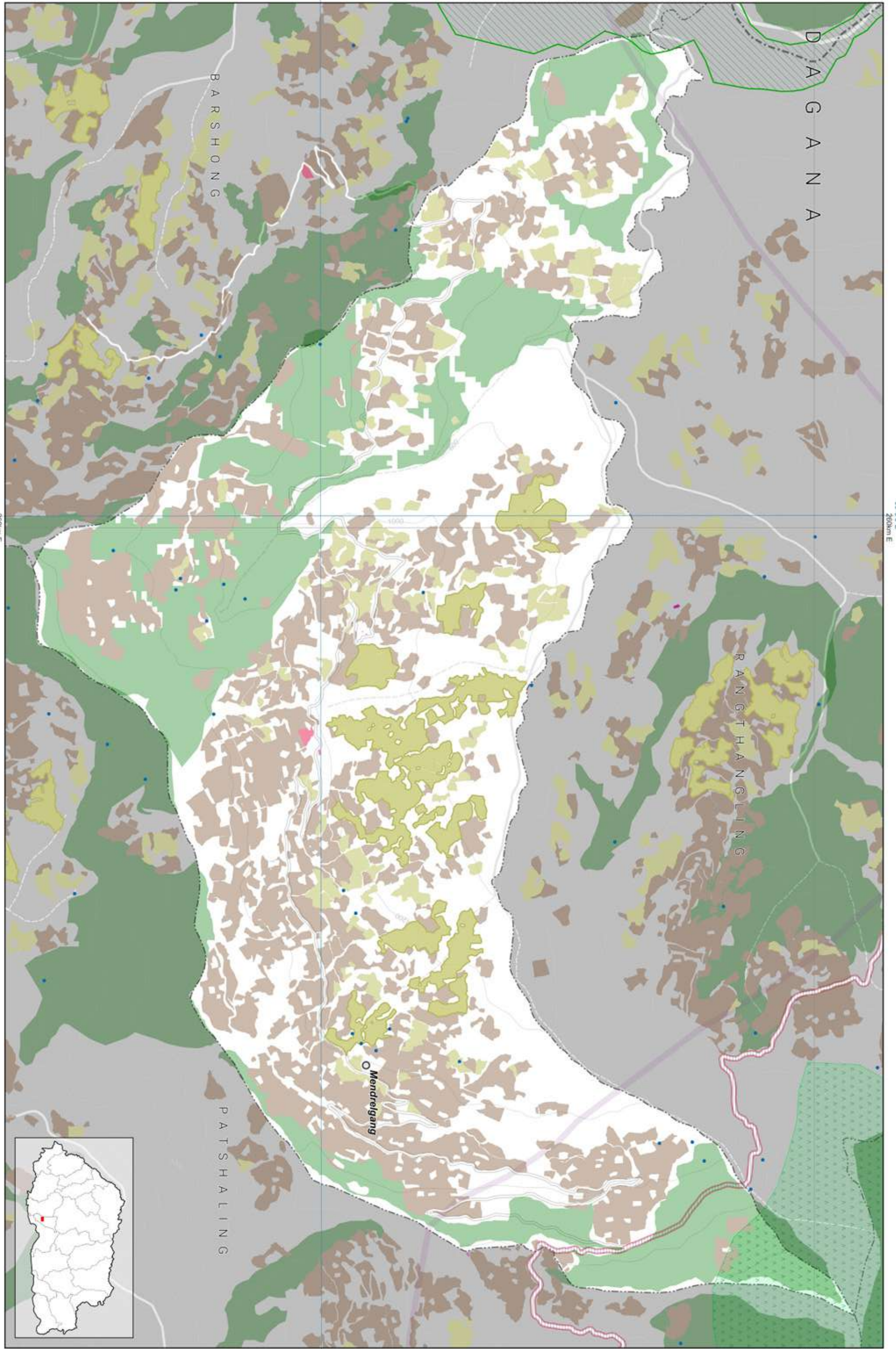
Highway 300k  
Highway 50k  
Highway 25k  
Highway 5k  
Dzongkhag 50k  
Dzongkhag 25k  
Dzongkhag 5k

Thromde 50k  
Thromde 25k  
Thromde 5k  
Access 5k  
Industrial 5k  
Farm 5k

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0 1.25 2.5 km

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Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Mendrelgang	1,276	1,231	2,507	103.7	16.8	434
Mendrelgang Town	31	31	62	100.0	47.1	16

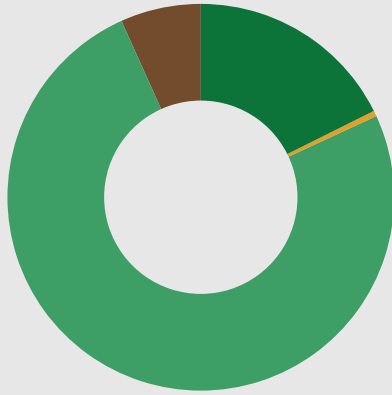




Zone Area

Gewog	Patshaling
Gewog code	1802
Gewog area	41917.898

Zone	Area
Agriculture	1363.055
Cultural Heritage	0.667
Industrial	0.2
NCA	15223.043
Rangeland	0
Rural Settlement	96.449
SFMA	3571.326
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	1464.578	0.00	0	0	0	0	0
NCA	1464.578	0	289.41	0	0	0.1	11.172	0
Agriculture	0.00	289.41	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0.1	0	0	0	0	0	0
Rural Settlement	0	11.172	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	1.784	8.593	12.889	0	0	0	2.149	0
Road	38.361	41.983	4.574	0	0.072	0	0.609	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	55.132
Road	94.443
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

Agricultural Land

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

Rural Settlement

- Residential Land
- Institutional Land

Sustainable Forest Management Area

- Forest Management Unit
- Community Forest

Cultural Heritage

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

Urban

- Urban Zone

Nature Conservation Area

Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

Wetland

Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
- Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

Highway 300k	Thromde 50k
Highway 50k	Thromde 25k
Highway 25k	Thromde 5k
Highway 5k	Access 5k
Dzongkhag 50k	Industrial 5k
Dzongkhag 25k	Farm 5k
Dzongkhag 5k	

Data Ownership

Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

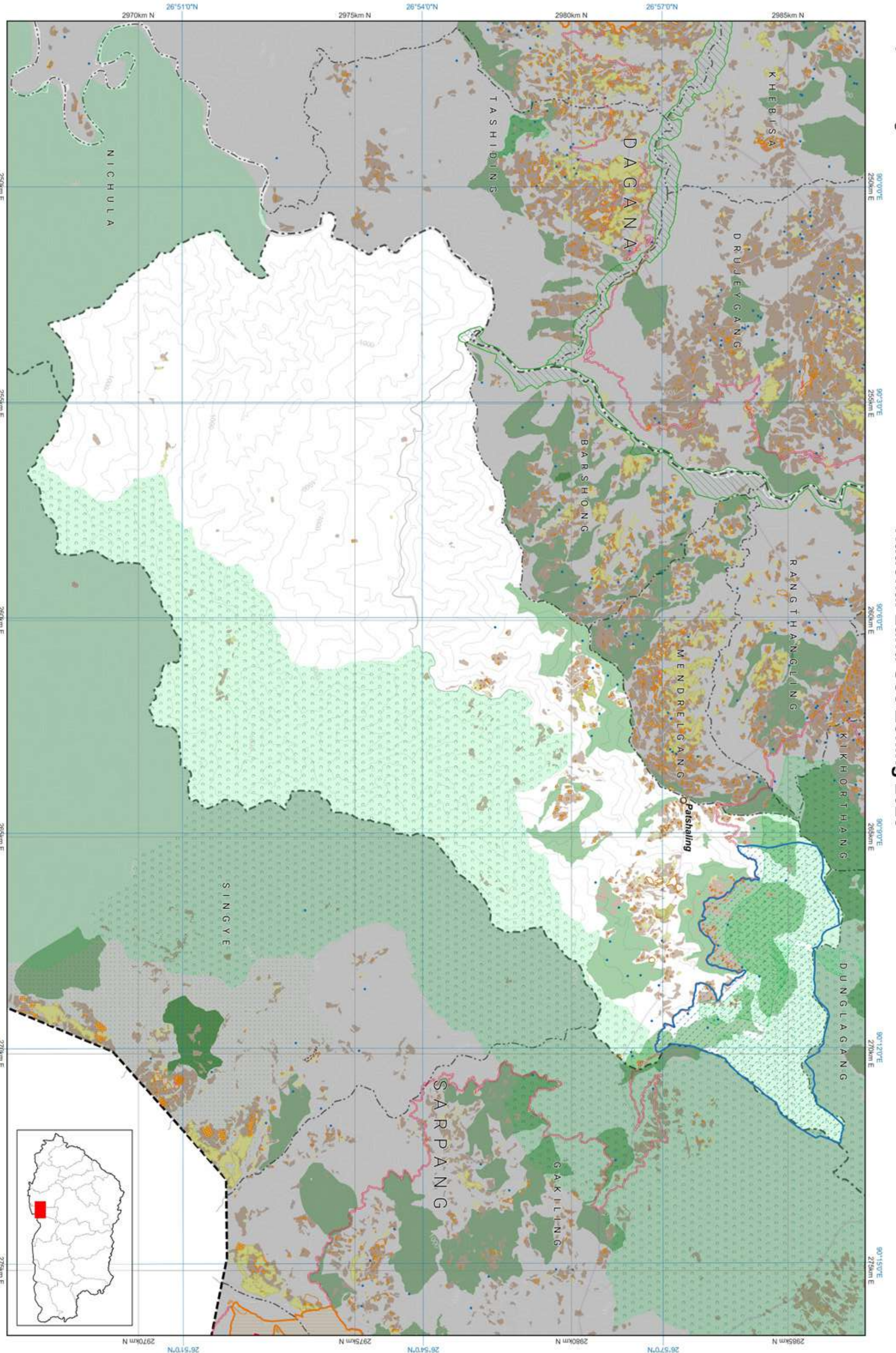
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Patshaling	567	592	1,159	95.8	32.7	296

3.9

Disclaimer: This map, designed by NLCB, is an essential component of the limited edition of NLCB Baseline report 2023 and should be used along with the report. More specific information on the data is available from the digital owner table on the opposite page.



The scale of this map is determined by the gewog size. If required, base-scale maps of the required size can be obtained from NLCB upon request. This map is compiled from the data of multiple agencies.

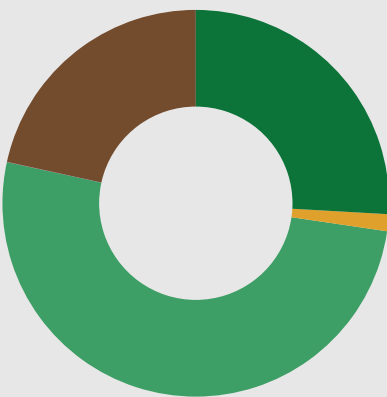




Zone Area

Gewog	Phuentenchhu
Gewog code	1808
Gewog area	33752.06

Zone	Area
Agriculture	2075.961
Cultural Heritage	1.611
Industrial	0.067
NCA	4918.68
Rangeland	0
Rural Settlement	135.892
SFMA	2493.699
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

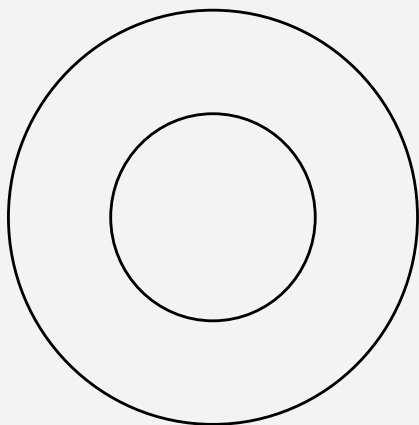
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

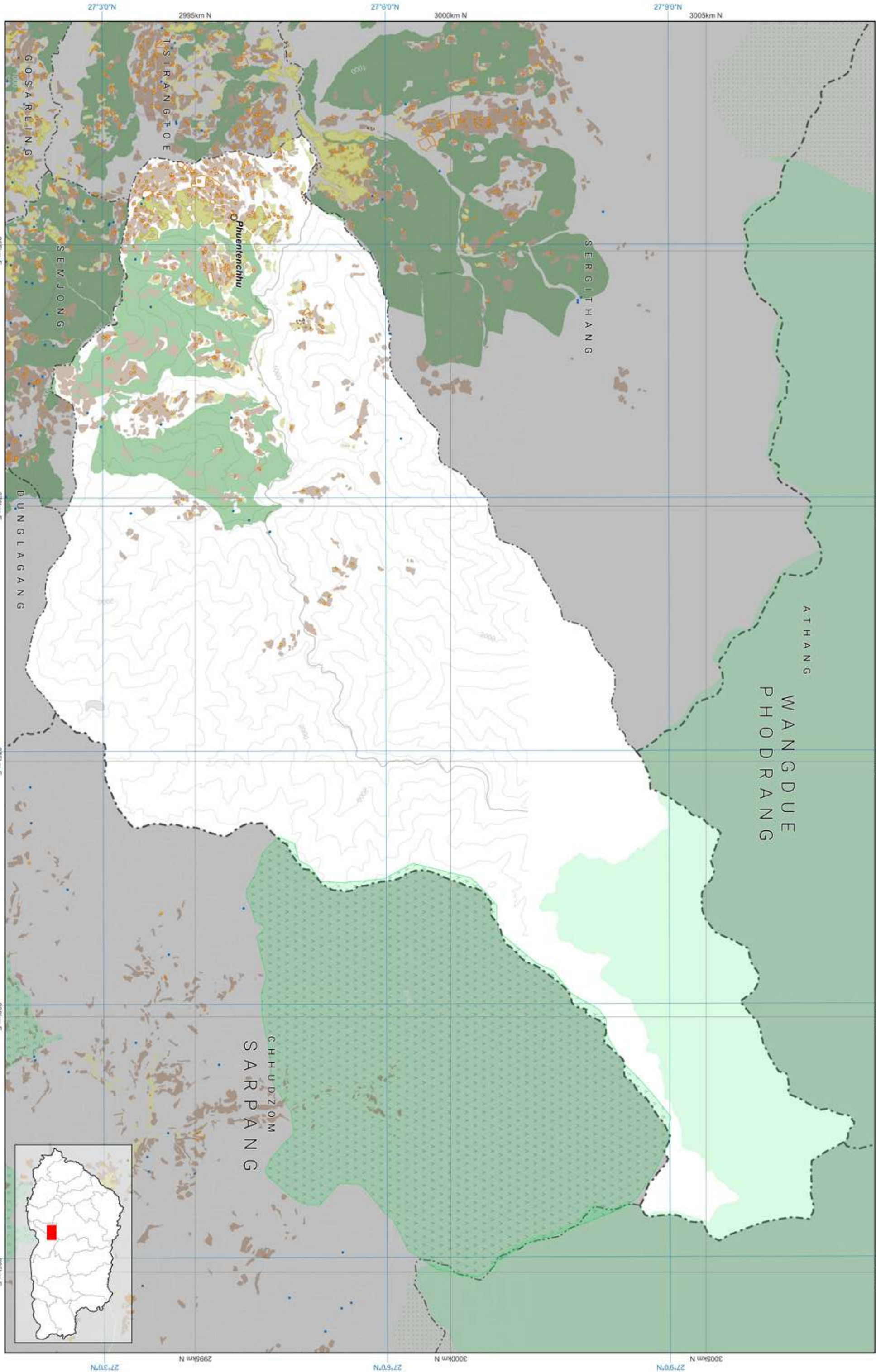
National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
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  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

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Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Phuentenchhu	665	666	1,331	99.8	29.9	321

Data Ownership

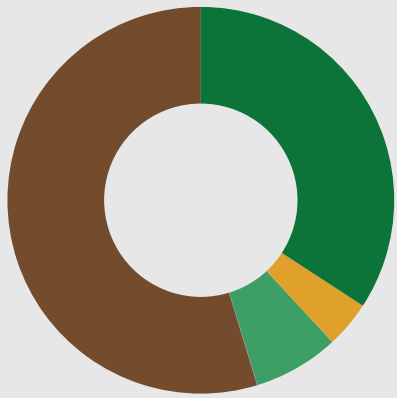
Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat



Zone Area

Gewog	Rangthangling
Gewog code	1809
Gewog area	5876.688

Zone	Area
Agriculture	1326.151
Cultural Heritage	0.346
Industrial	0.72
NCA	173.699
Rangeland	0
Rural Settlement	94.807
SFMA	828.753
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

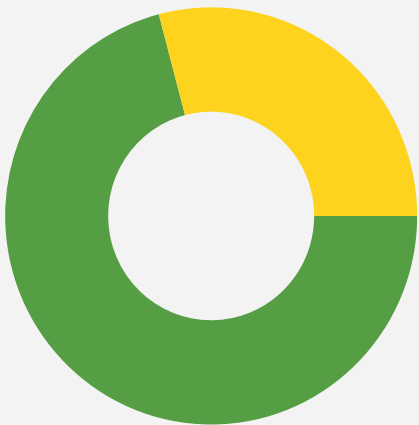
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0.21	0	0	0	0	0
Agriculture	0	0.21	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	7.8	0	30.150	0	0	0	1.026	0
Road	0.043	0	5.069	0	0	0.109	0.933	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	77.891
Road	31.958
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake
- Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
- Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

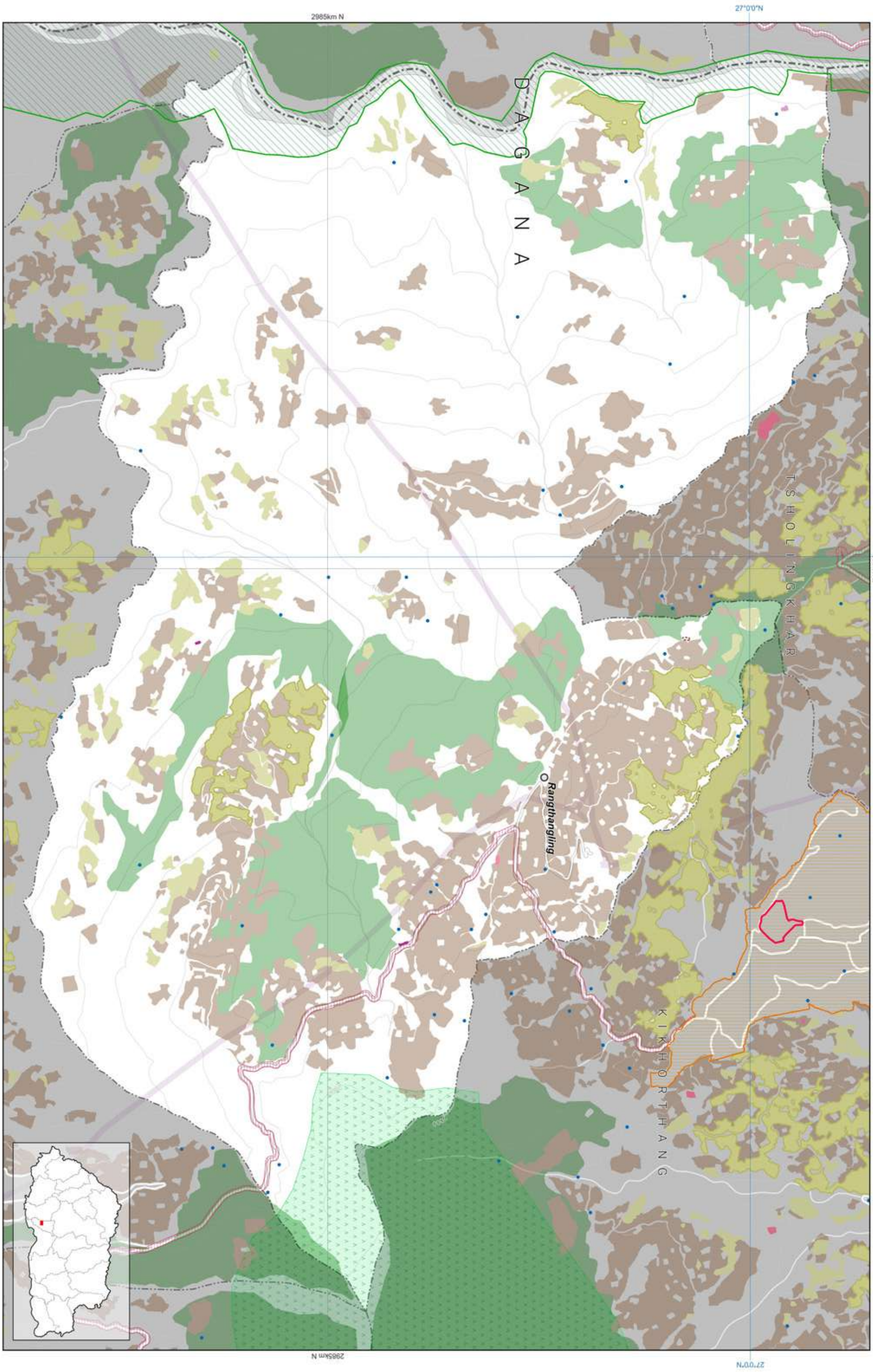
Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

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Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

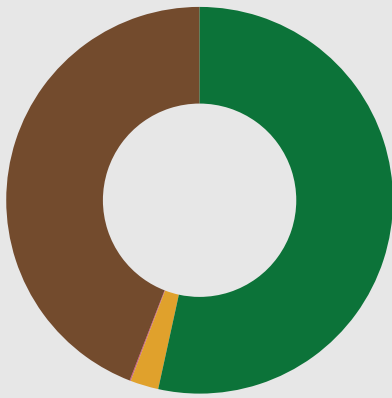
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population			Sex ratio	Aging Index
	Male	Female	Total		
Rangthangling	803	782	1,585	102.7	37.2



Zone Area

Gewog	Semjong
Gewog code	1810
Gewog area	3680.091

Zone	Area
Agriculture	1247.838
Cultural Heritage	0.996
Industrial	1.674
NCA	0
Rangeland	0
Rural Settlement	66.855
SFMA	1511.744
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.01	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0.01	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	36.953	0	24.361	0	0	0	0.033	0
Road	0	0	0	0	0	0	0	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	72.78
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population		Sex ratio	Aging Index	Number of household
	Male	Female			
Semjong	712	600	1,312	118.7	52.1
					309
					4

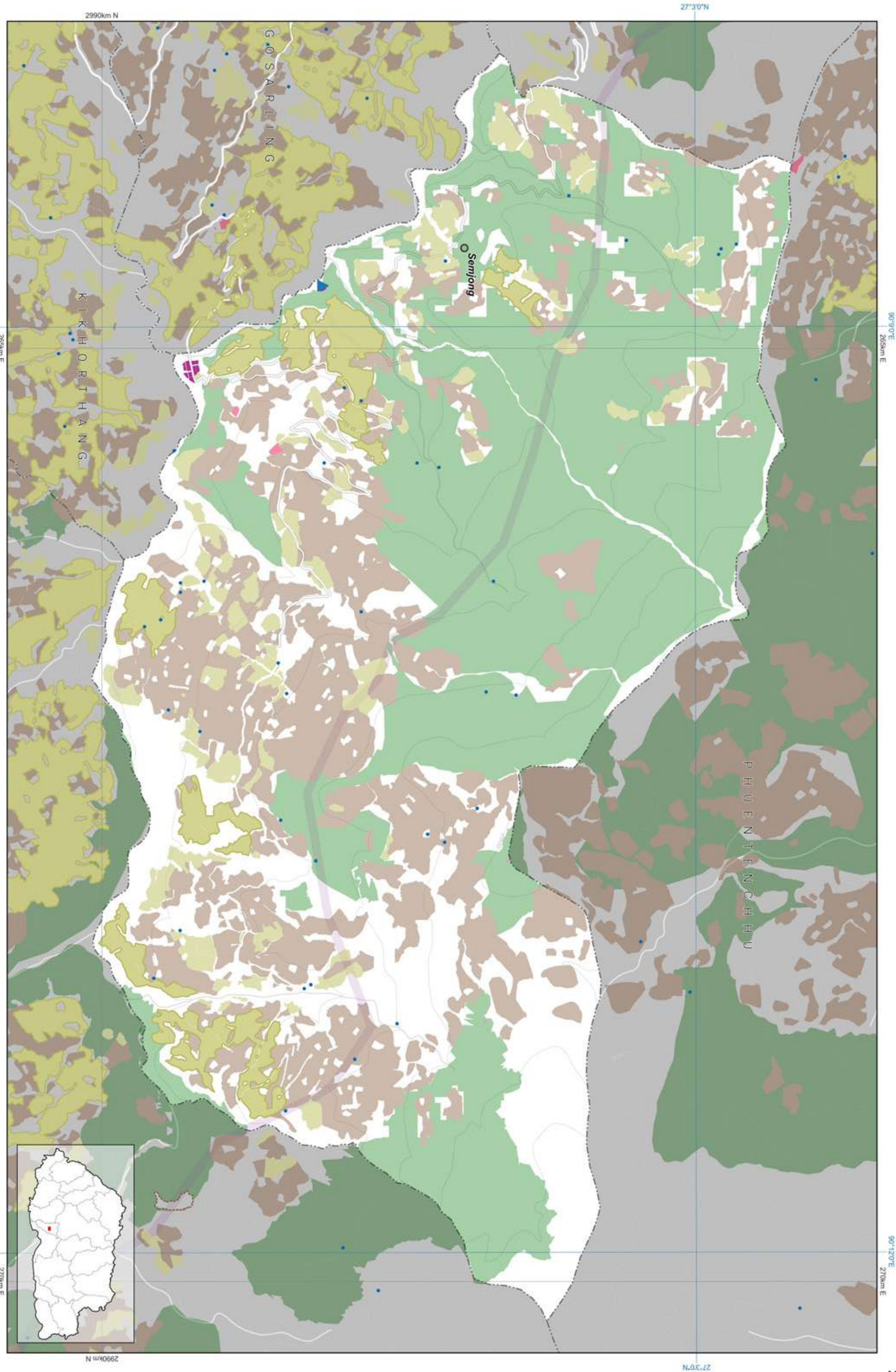
Data Ownership

Data Owner of the Map Content
Bhutan Power Corporation Limited Druk Holding and Investment
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

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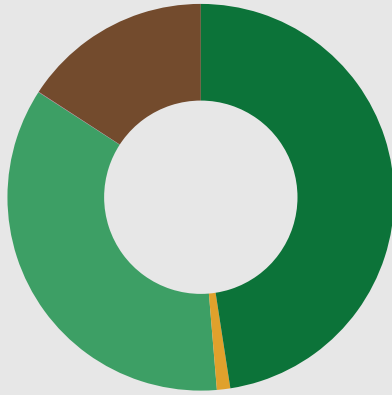
The scale of this map is determined by the geospatial data. If required, larger scale maps of the required area can be obtained from NCS upon request. This map is compiled from the data of multiple agencies.





Zone Area

Gewog	Sergithang
Gewog code	1807
Gewog area	33992.762
Zone	Area
Agriculture	1692.023
Cultural Heritage	1.049
Industrial	3
NCA	3791.941
Rangeland	0
Rural Settlement	119.317
SFMA	5085.372
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	0	0	0	0.28	0
NCA	0	0	49.90	0	0	0	4.265	0
Agriculture	0.00	49.90	0	0	0	0.3	0.038	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0.3	0	0	0	0	0
Rural Settlement	0.28	4.265	0.038	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	7.108	9.657	3.207	0	0	0	0.147	0
Road	1.295	4.122	1.099	0	0	0.002	0.383	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	148.164
Road	78.6
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park
  - Wetland
    - Ramsar Site
  - Hazard and Risk
    - Rain Induced Flood
    - Glacier Lake Outburst Flood
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  - Hydro Power Plants
  - Hydro Power Waterways

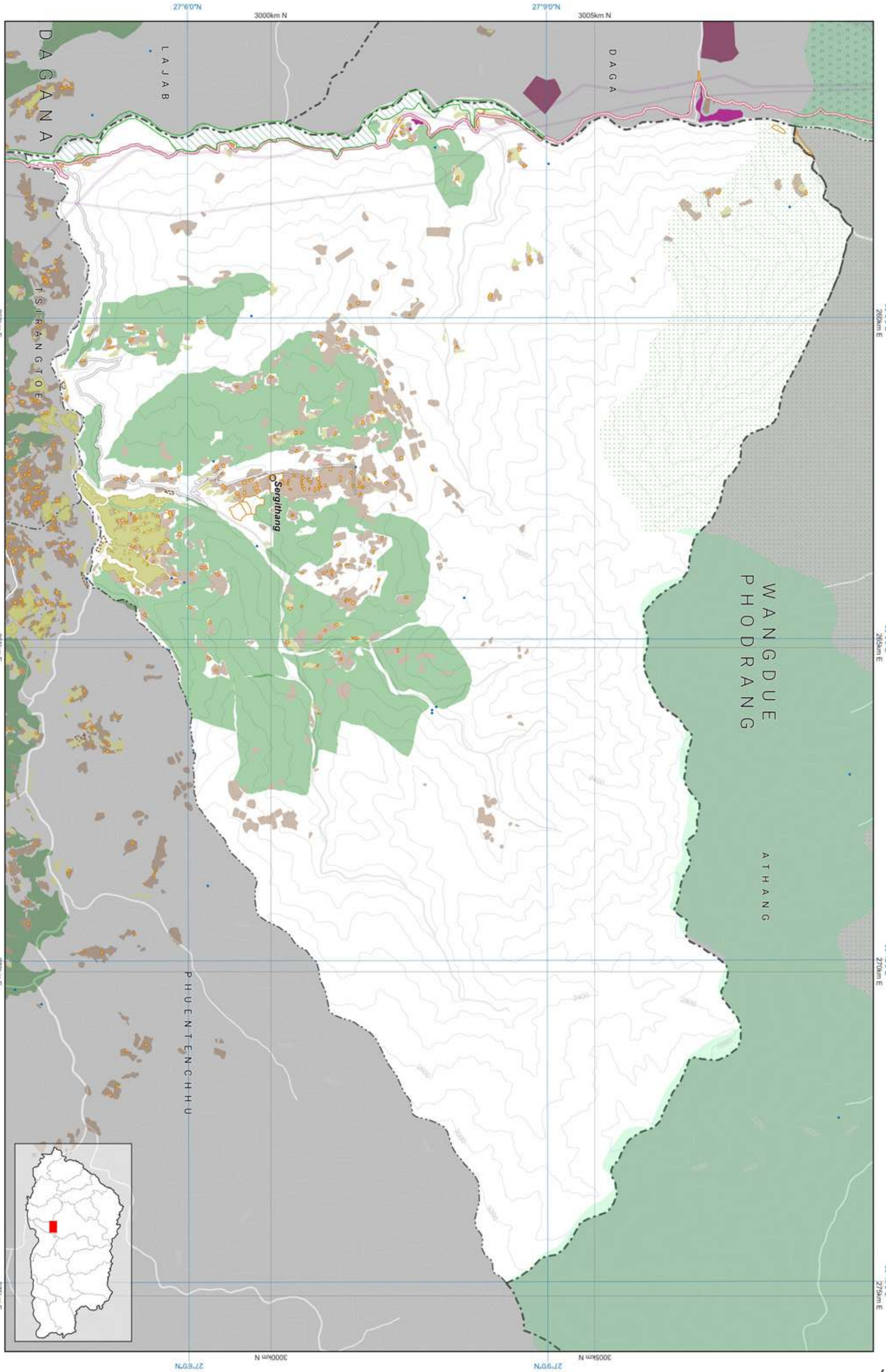
Basemap

- Boundaries
  - International
  - Dzongkhag
  - Gewog
- Rivers
  - Main river
  - Perennial
- Terrain
  - Contour
- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k
  - Thromde 50k
  - Thromde 25k
  - Thromde 5k
  - Access 5k
  - Industrial 5k
  - Farm 5k

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Data Ownership

Data Owner of the Map Content

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Ministry of Agriculture and Livestock

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Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Sergithang	731	648	1,379	112.8	33.3	300

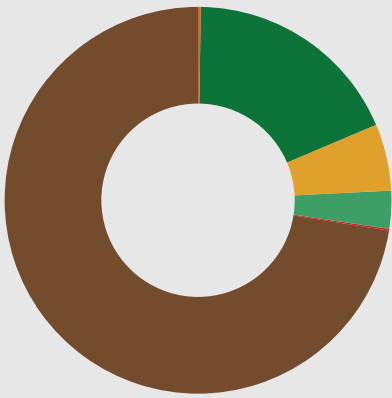




Zone Area

Gewog	Tsholingkhar
Gewog code	1811
Gewog area	3313.961

Zone	Area
Agriculture	1573.984
Cultural Heritage	2.985
Industrial	0.331
NCA	68.734
Rangeland	0
Rural Settlement	121.315
SFMA	399.36
Urban	4.815



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	0	0	0	0	0
NCA	0	0	7.87	0	0	0	0	0
Agriculture	0.00	7.87	0	1.653	0	0	0	0
Urban	0	0	1.653	0	0	0	0.858	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0.858	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	19.549	0	0	0	1.103	0
Road	12.571	0.417	28.391	0	0	0	2.338	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	28.245
Road	140.831
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel

- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro

- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour

- Roads for different map scales
  - Highway 300k
  - Highway 50k
  - Highway 25k
  - Highway 5k
  - Dzongkhag 50k
  - Dzongkhag 25k
  - Dzongkhag 5k

- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

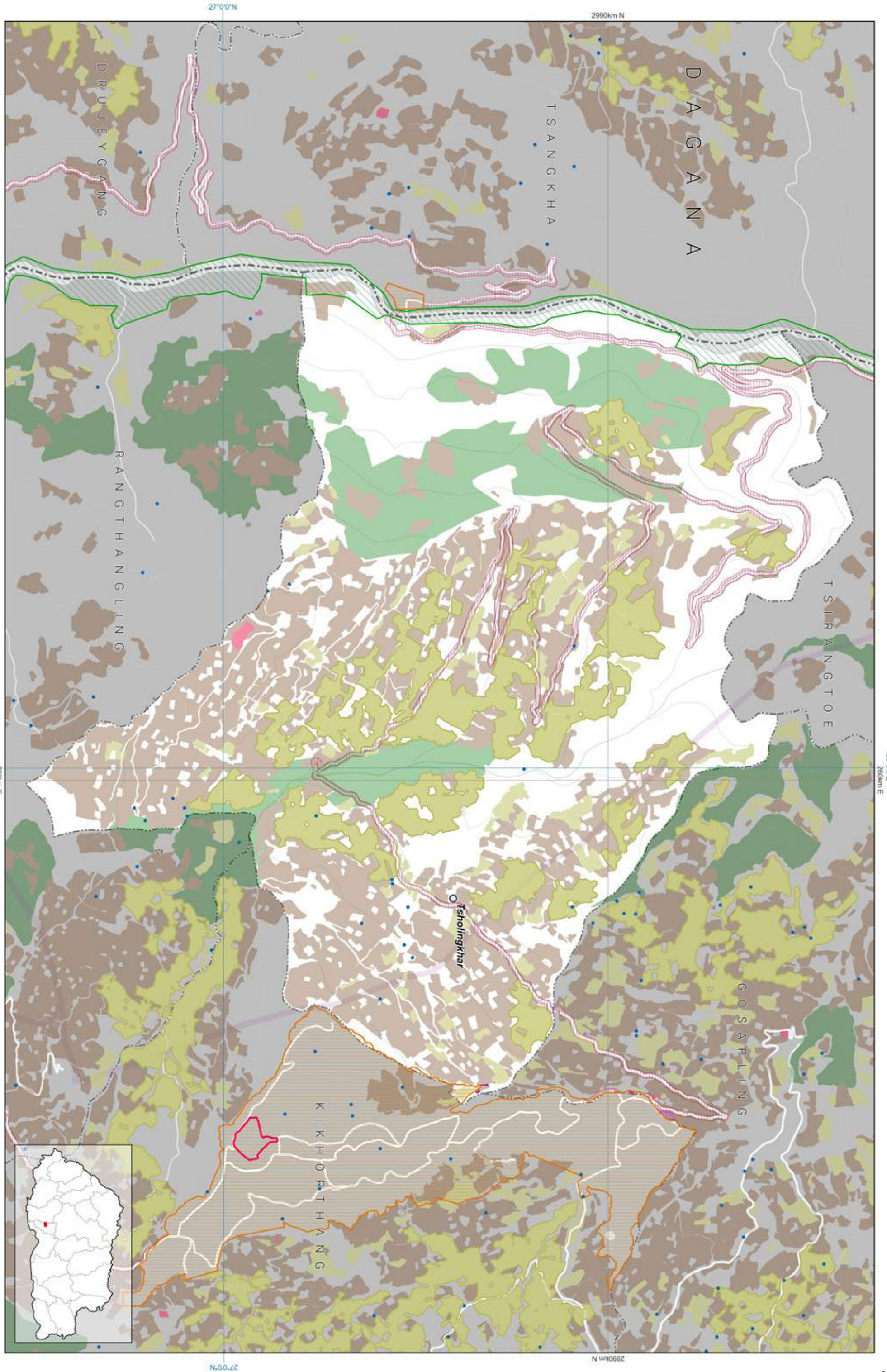
Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Tsholingkhar	892	853	1,745	104.6	38.0	421
						4.1

Disclaimer: This map, designed by NLC, is an essential component of the limited edition of NLC's Baseline report 2023 and should be used along with the report. More specific information on the data is available from the official owner listed on the opposite page.

0 1.25 2.5 km

The scale of this map is determined by the gewog size. If required, broad-scale maps of the required size can be obtained from NLC's upon request. This map is compiled from the data of multiple agencies.

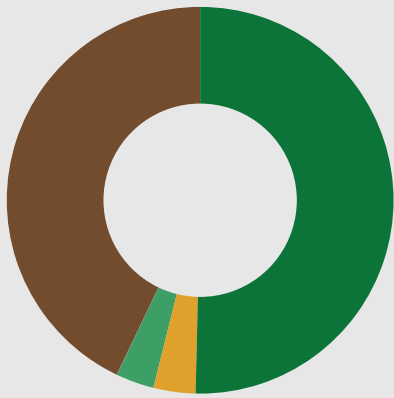




Zone Area

Gewog	Tsirangtoe
Gewog code	1812
Gewog area	7784.503

Zone	Area
Agriculture	1679.609
Cultural Heritage	0.619
Industrial	0.237
NCA	125.098
Rangeland	0
Rural Settlement	137.428
SFMA	1972.558
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

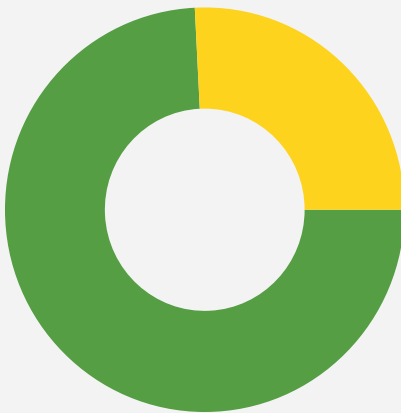
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	0	0	0	0	0
NCA	0	0	0.30	0	0	0	0	0
Agriculture	0.00	0.30	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	31.392	0	34.795	0	0	0	0.363	0
Road	0	3.603	0.252	0	0	0	0.001	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	135.954
Road	47.261
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Tsirangtoe	769	682	1,451	112.8	26.8	348

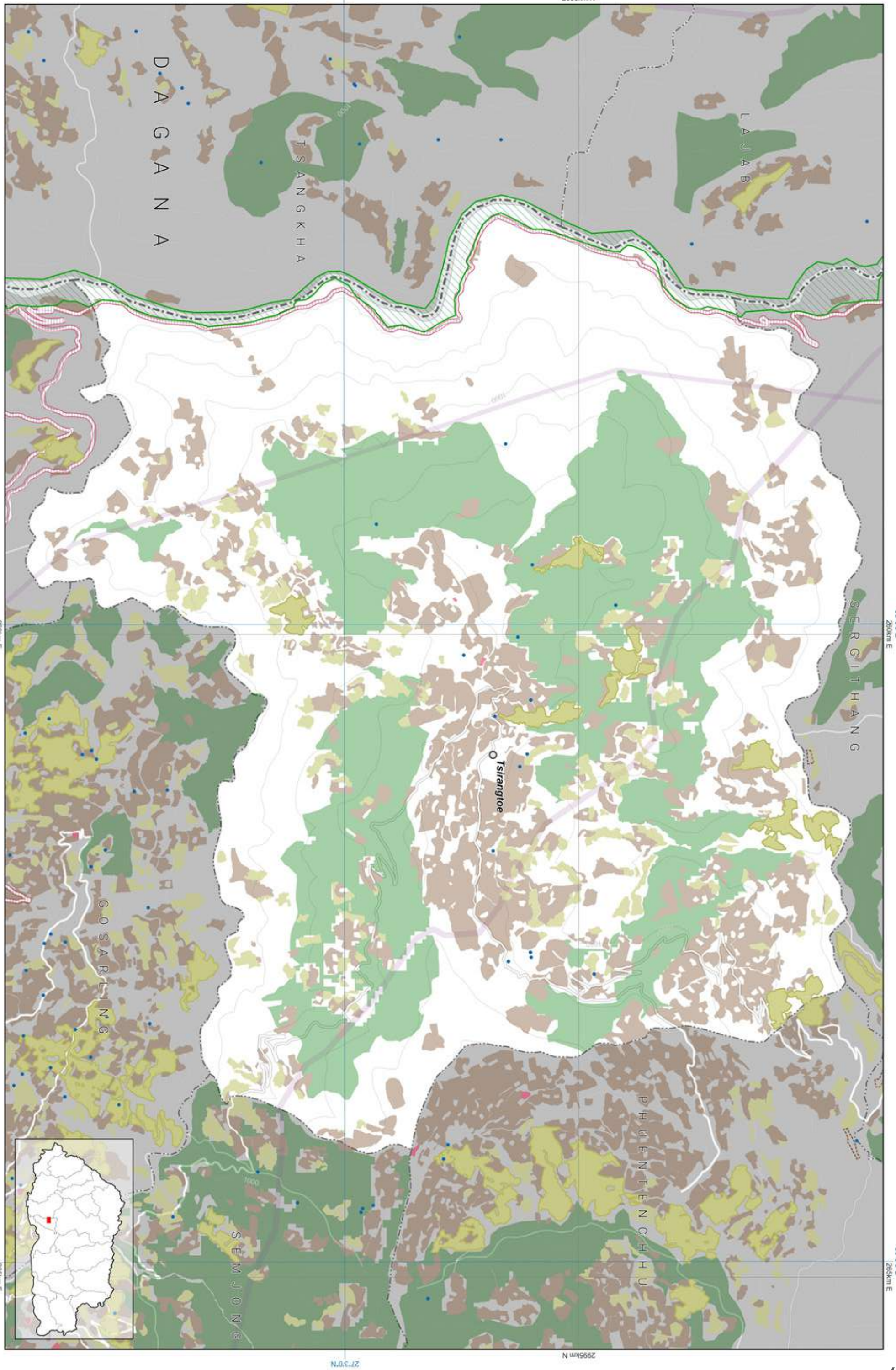
Data Ownership

Data Owner of the Map Content
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Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

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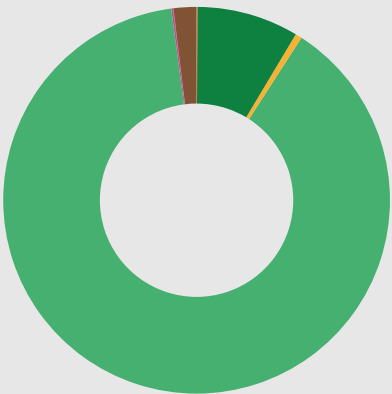
The scale of this map is determined by the geotag size. If required, hard-scale maps of the required size can be obtained from NLCB upon request. The map is compiled from the data of multiple agencies.





Zone Area

Dzongkhag Wangdue Phodrang	
Dzongkhag code	19
Dzongkhag area	996674.107
Zone	Area
Agriculture	14549.026
Culture	256.078
Industrial	1107.118
NCA	676074.362
Rangeland	0
Rural Settlement	4172.556
SFMA	64829.959
Urban	492.342



All areas are in Acres.

- Agriculture
- Culture
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	21749.356	655.73	0	37.314	0.901	584.657	0
NCA	21749.356	0	1,311.86	0	11.31	97.59	2141.665	0
Agriculture	655.73	1,311.86	0	0.002	0	8.234	0.005	0
Urban	0	0	0.002	0	39.424	0	0	0
Culture	37.314	11.31	0	39.424	0	0	0	0
Industrial	0.901	97.59	8.234	0	0	0	0.1	0
Rural Settlement	584.657	2141.665	0.005	0	0	0.1	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	46.633	249.354	86.733	0	0	29.281	5.234	0
Road	0.017	214.657	20.296	0	0.013	27.035	11.914	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	1443.921
Road	996.927
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

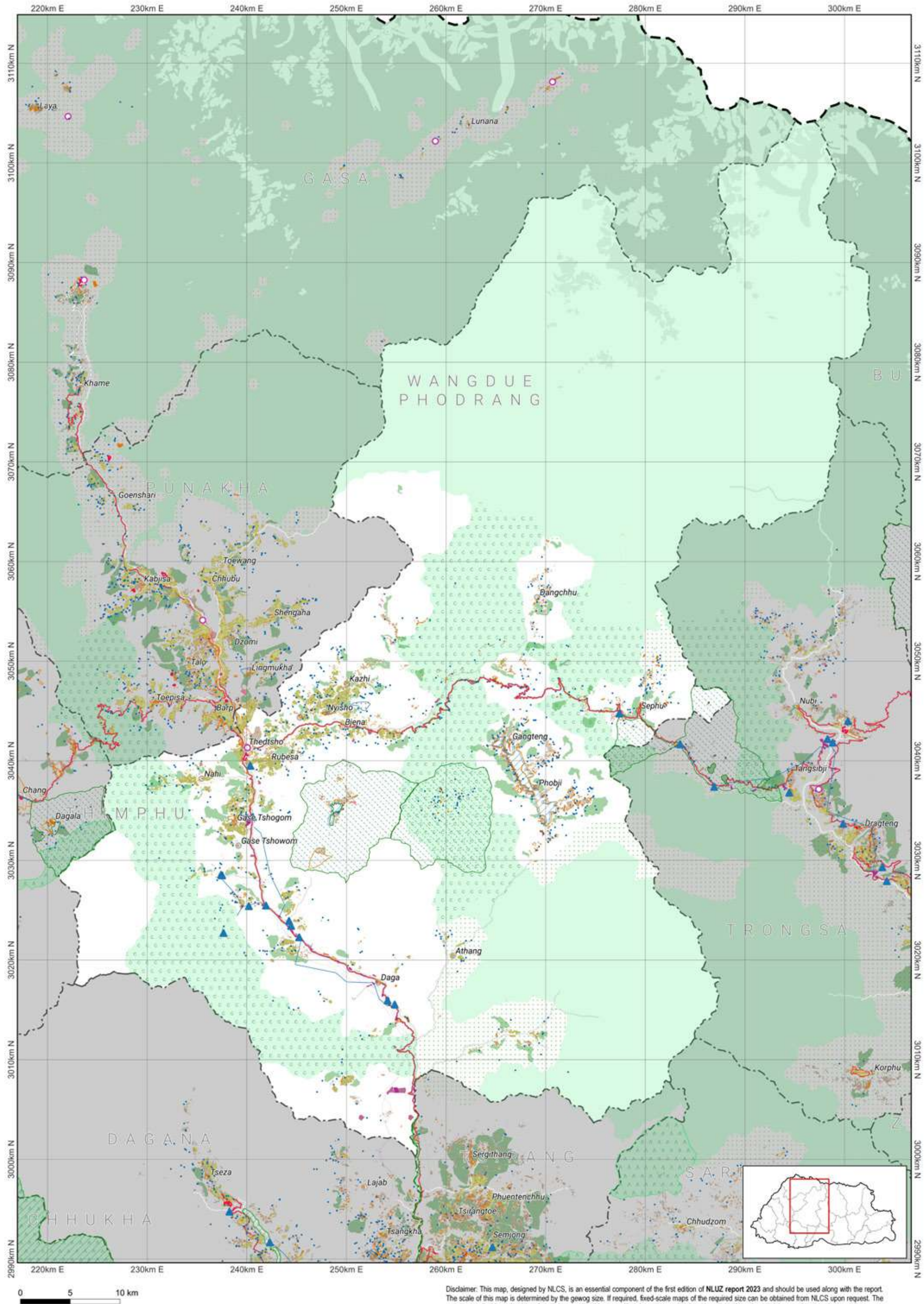
Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Wangdue Phodrang	24,302	17,884	42,186	135.9	22.3	8,556	3.8

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
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  - Terrain
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    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

National Land Use Zoning 2023



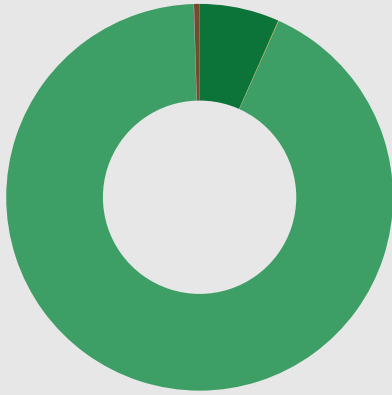




## Zone Area

Gewog	Athang
Gewog code	1901
Gewog area	192726.705

Zone	Area
Agriculture	749.346
Cultural Heritage	2.483
Industrial	52.672
NCA	151257.744
Rangeland	0
Rural Settlement	68.64
SFMA	10869.55
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

## Zone Conflict

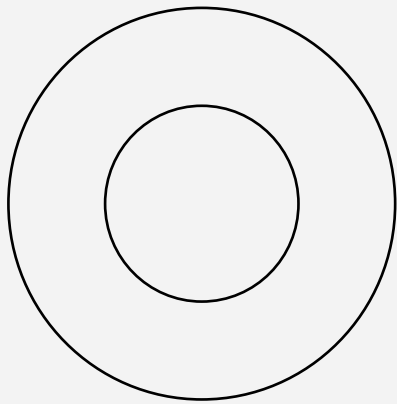
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	8574.846	0.00	0	0	0	0	0
NCA	8574.846	0	517.63	0	1.22	0.05	34.854	0
Agriculture	0.00	517.63	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	1.22	0	0	0	0	0	0
Industrial	0	0.05	0	0	0	0	0	0
Rural Settlement	0	34.854	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
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  - Heritage Conservation Zone
- Urban
  - Urban Zone

- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
    - Biological Corridor / Botanical Park

- Wetland
  - Ramsar Site

- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer

- Heritage
  - Road
  - Powerlines
  - Flight Funnel

- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value

- Rangeland
  - Tsamdro

- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
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    - Dzongkhag 5k
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    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

## Data Ownership

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Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

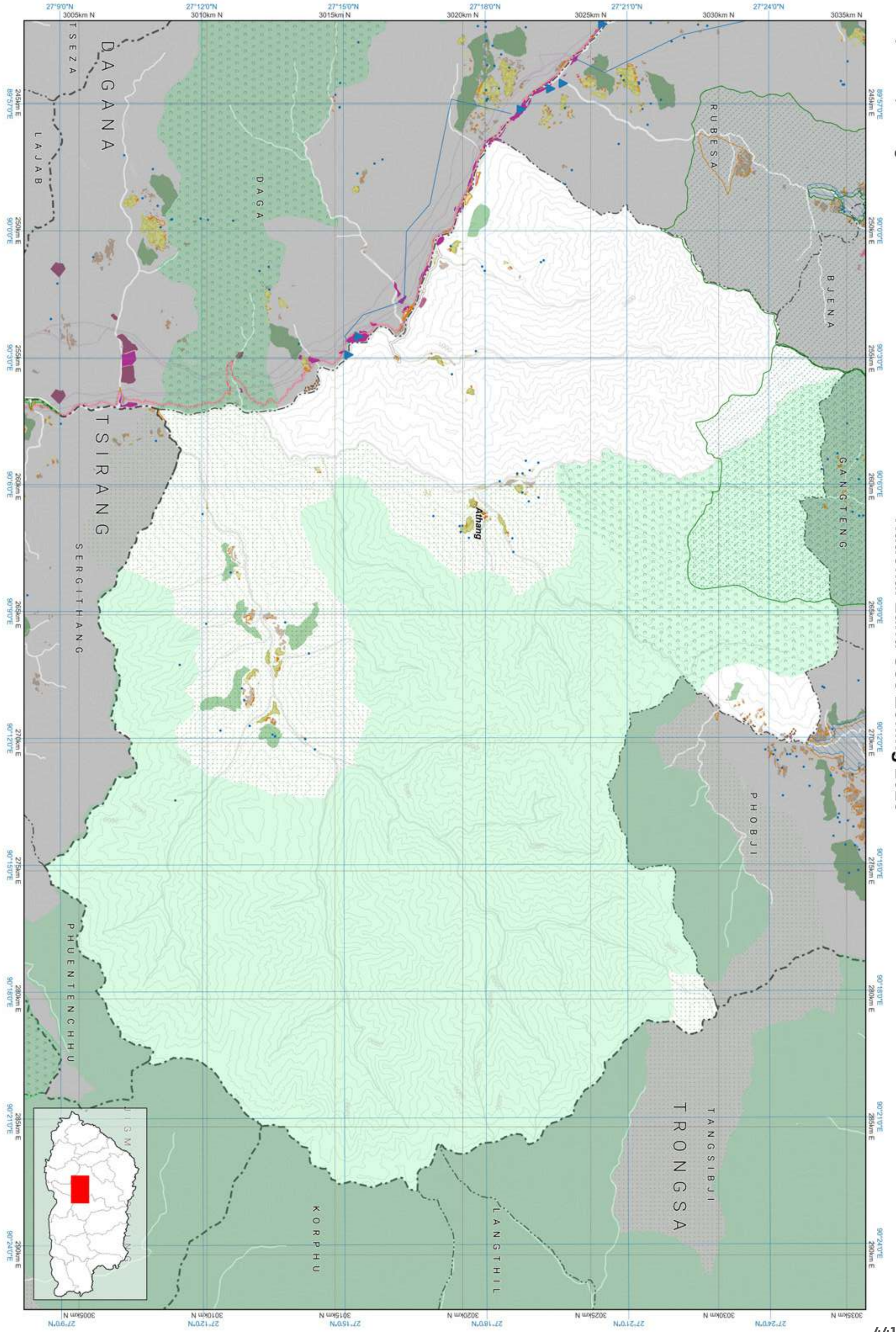
## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Athang	409	364	773	112.4	39.5	181
						Mean Household size
						3.8

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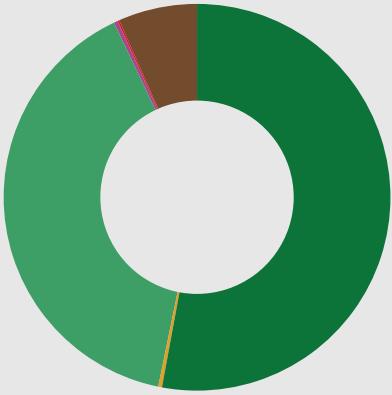


BJENA

## Zone Area

Gewog	Bjena
Gewog code	1902
Gewog area	29236.086

Zone	Area
Agriculture	1345.734
Cultural Heritage	30.258
Industrial	67.176
NCA	8108.401
Rangeland	0
Rural Settlement	64.257
SFMA	10801.486
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	629.901	263.45	0	28.47	0.3	12.752	0
NCA	629.901	0	62.72	0	0.219	12.224	3.115	0
Agriculture	263.45	62.72	0	0	0	8.234	0	0
Urban	0	0	0	0	0	0	0	0
Culture	28.47	0.219	0	0	0	0	0	0
Industrial	0.3	12.224	8.234	0	0	0	0	0
Rural Settlement	12.752	3.115	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	56.944	5.108	0	0	0.486	1.801	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	127.163
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

Agricultural Land

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

Rural Settlement

- Residential Land
- Institutional Land

Sustainable Forest Management Area

- Forest Management Unit
- Community Forest

Cultural Heritage

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

Urban

- Urban Zone

### Nature Conservation Area

Protected Area

- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

Wetland

- Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

Rangeland

- Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines

- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

- Boundaries
- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k

- Thromde 50k
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## Data Ownership

### Data Owner of the Map Content

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Ministry of Energy and Natural Resources

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Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

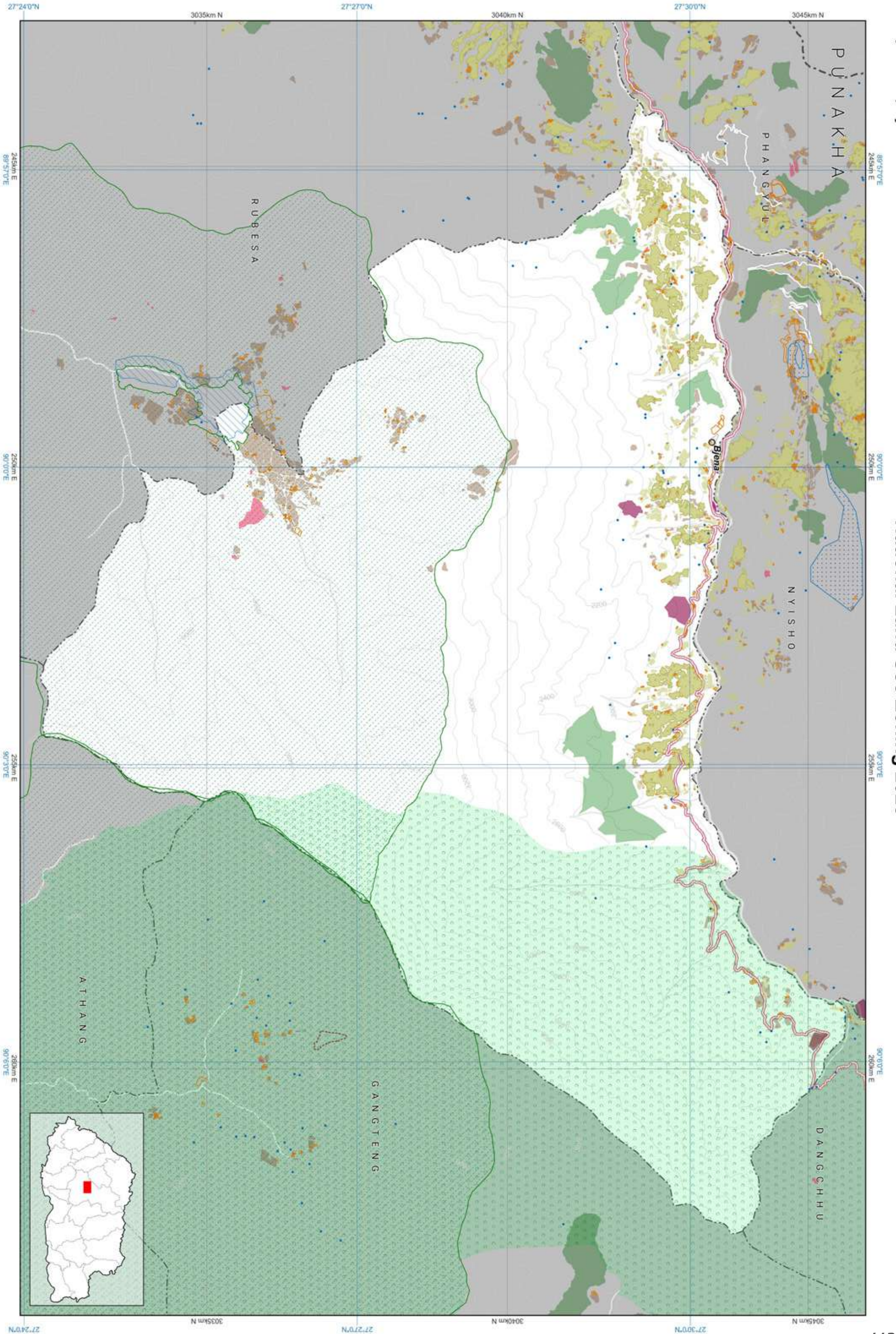
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)

Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Bjena	1,135	781	1,916	145.3	47.6	437	3.4

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0 1.25 2.5 km

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Wangdue Phodrang: Bjena

National Land Use Zoning 2023



WANGDUE PHODRANG

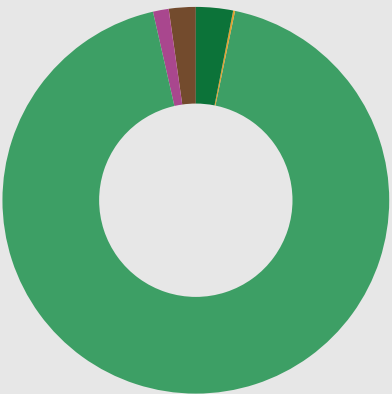




Zone Area

Gewog	Daga
Gewog code	1903
Gewog area	85903.792

Zone	Area
Agriculture	1006.287
Cultural Heritage	4.722
Industrial	588.241
NCA	41851.391
Rangeland	0
Rural Settlement	72.854
SFMA	1388.163
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	10.002	0.04	0	0	0	0	0
NCA	10.002	0	58.31	0	0.307	18.03	1.849	0
Agriculture	0.04	58.31	0	0	0	0	0	0
Urban	0.00	0	0	0	0	0	0	0
Culture	0.00	0.307	0	0	0	0	0	0
Industrial	0.00	18.03	0	0	0	0	0	0
Rural Settlement	0.00	1.849	0	0	0	0	0	0
Rangeland	0.00	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	6.042	184.872	33.253	0	0	26.256	1.615	0
Road	0	58.721	1.284	0	0	22.978	2.785	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	1126.259
Road	269.035
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
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    - Highway 50k
    - Highway 25k
    - Highway 5k
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    - Dzongkhag 25k
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    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

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Department of Energy Ministry of Energy and Natural Resources
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Department of Geology and Mines Ministry of Energy and Natural Resources
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Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

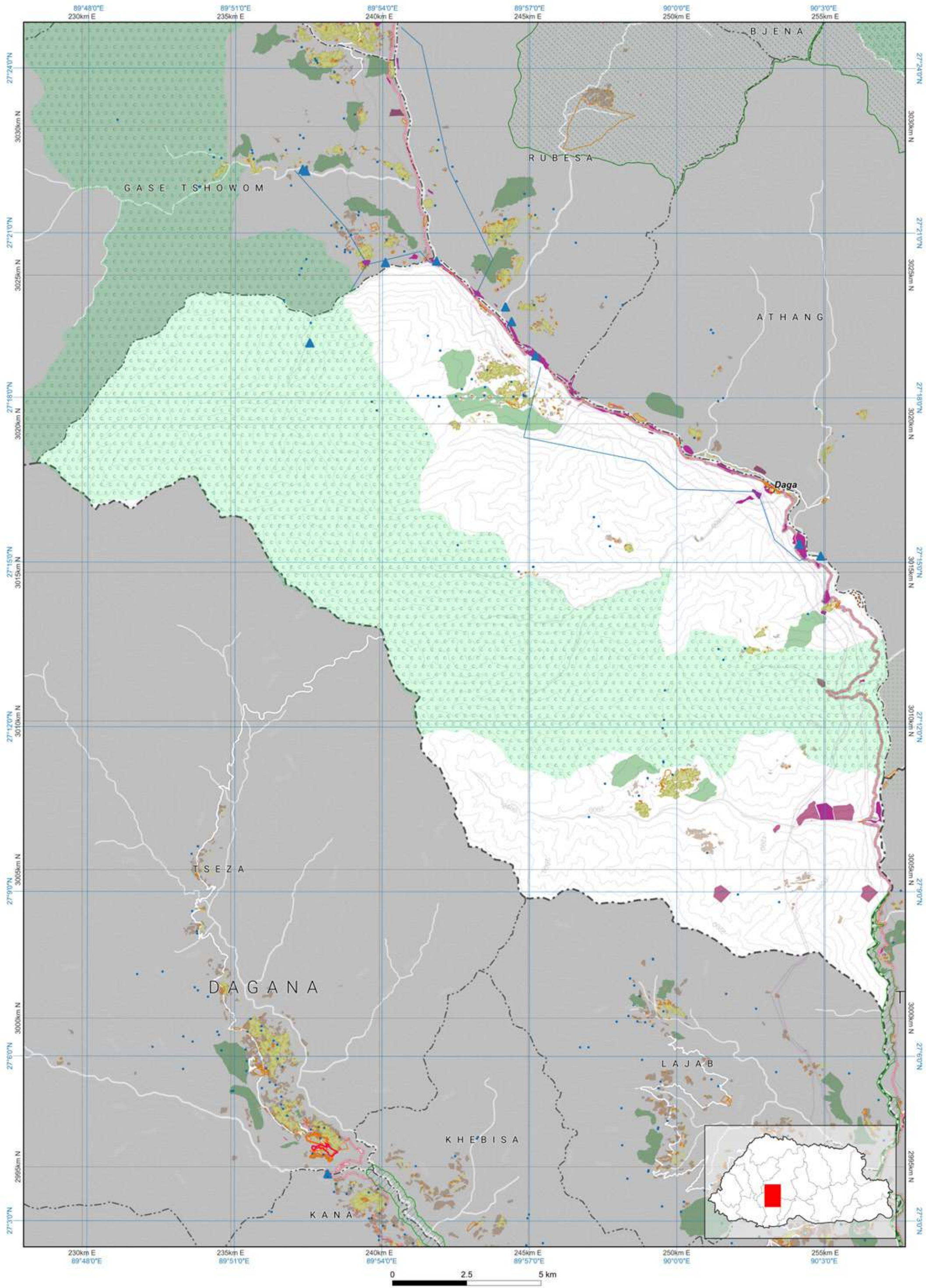
Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Daga	5,010	1,047	6,057	478.5	17.9	646
Rurichu Town	103	110	213	93.6	2.7	64

**Disclaimer:**  
Disclaimer: The demographic statistics provided in the table above for Rurichu town encompass not only the area falling under the Daga gewog but also include the demographic statistics of the town area falling under the Gase Tshowom gewog. The same statistics for Rurichu town can be found under the Gase Tshowom gewog.

Wangdue Phodrang: Daga

National Land Use Zoning 2023



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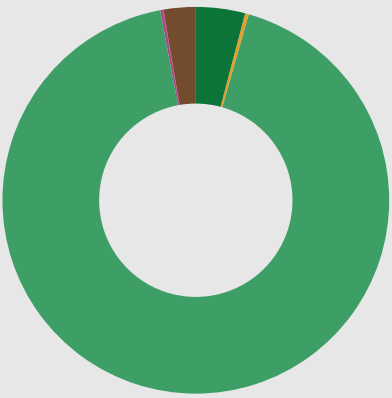
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



Zone Area

Gewog	Dangchhu
Gewog code	1904
Gewog area	42193.561

Zone	Area
Agriculture	634.457
Cultural Heritage	10.454
Industrial	55.023
NCA	21921.704
Rangeland	0
Rural Settlement	73.26
SFMA	971.143
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	245.585	0.00	0	0	0	0	0
NCA	245.585	0	15.55	0	1.934	40.005	1.262	0
Agriculture	0	15.55	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	1.934	0	0	0	0	0	0
Industrial	0	40.005	0	0	0	0	0	0
Rural Settlement	0	1.262	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	56.411	1.250	0	0	0.444	1.268	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	184.675
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
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  - Road
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  - Key Biodiversity Area
  - High Conservation Value
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  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
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    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Demographic Table

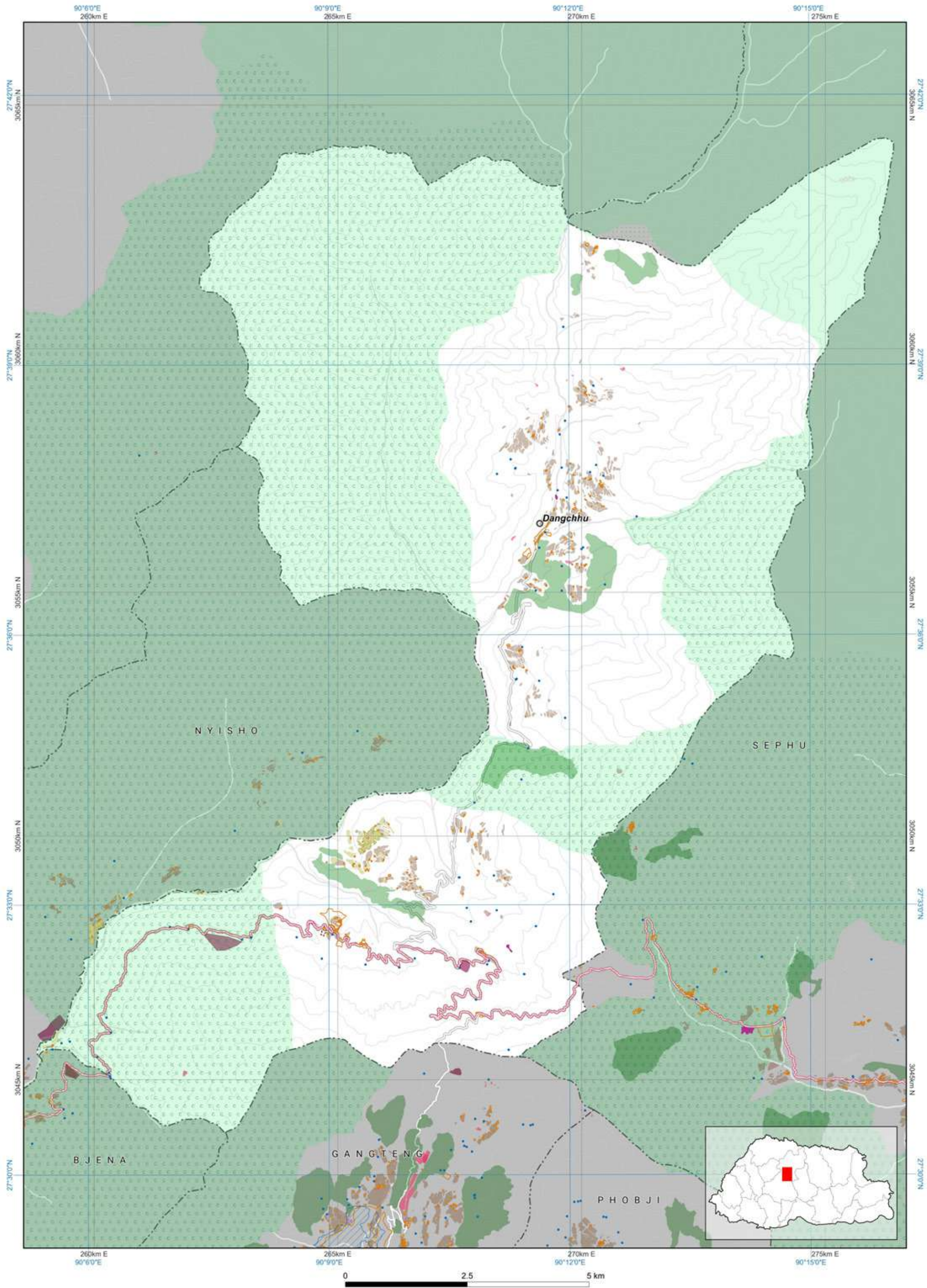
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Dangchhu	546	556	1,102	98.2	36.1	4.5
Nobding Town	386	327	713	118.0	9.0	3.8

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Wangdue Phodrang: Dangchhu

National Land Use Zoning 2023



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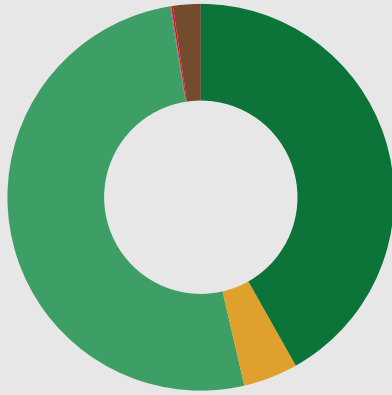




## Zone Area

Gewog	Gangteng
Gewog code	1905
Gewog area	24663.389

Zone	Area
Agriculture	693.313
Cultural Heritage	47.124
Industrial	21.324
NCA	15370.801
Rangeland	0
Rural Settlement	1374.021
SFMA	12584.749
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

## Zone Conflict

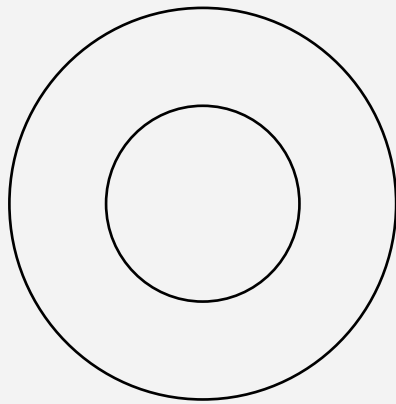
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	10341.003	54.56	0	1.472	0.2	13.751	0
NCA	10341.003	0	149.57	0	1.479	3.346	1077.425	0
Agriculture	54.56	149.57	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	1.472	1.479	0	0	0	0	0	0
Industrial	0.2	3.346	0	0	0	0	0.1	0
Rural Settlement	13.751	1077.425	0	0	0	0.1	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

**Agricultural Land**

- Kamzhing
- Protected Chhuzhing
- Regulated Chhuzhing
- Lease Land

**Rural Settlement**

- Residential Land
- Institutional Land

**Sustainable Forest Management Area**

- Forest Management Unit
- Community Forest

**Cultural Heritage**

- Religious Sites
- Heritage Village
- Heritage Conservation Zone

**Urban**

- Urban Zone

**Nature Conservation Area**

- Protected Area**
- Core Zone
- Transition Zone
- Buffer Zone
- Multi Use Zone
- Biological Corridor / Botanical Park

**Wetland**

- Ramsar Site

**Hazard and Risk**

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer

**Heritage**

- Road
- Powerlines
- Flight Funnel

**Other Effective Area-based Conservation Measures**

- Key Biodiversity Area
- High Conservation Value

**Rangeland**

- Tsamdro

**Significant Watershed**

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

**Industrial**

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

**Basemap**

- Boundaries**
- International
- Dzongkhag
- Gewog

**Rivers**

- Main river
- Perennial

**Terrain**

- Contour

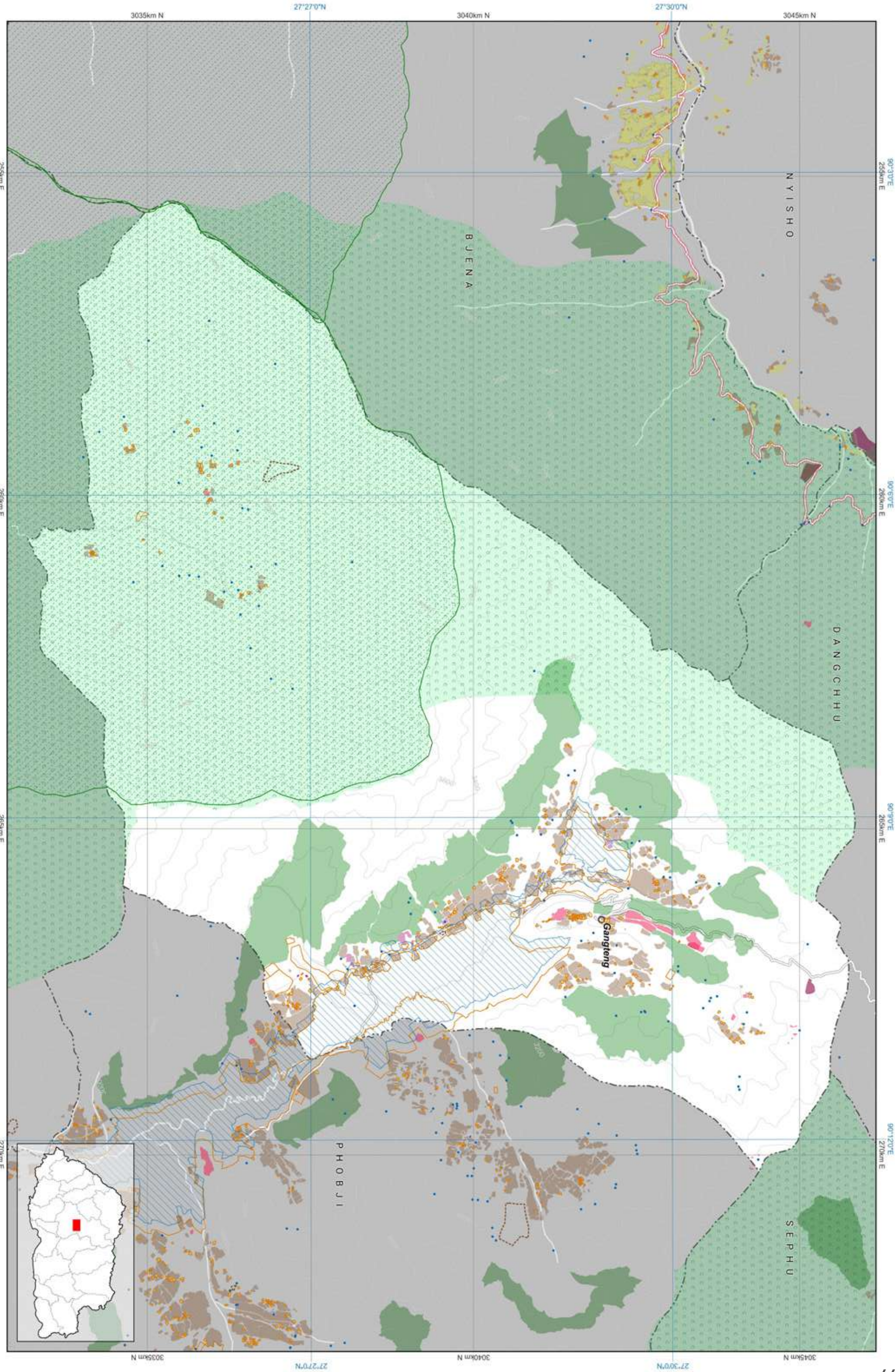
**Roads for different map scales**

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

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## Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population			Sex ratio	Aging Index
	Male	Female	Total		
Gangteng	1,569	1,206	2,775	130.1	22.4

	Number of household	Mean Household size
Gangteng	536	3.6

## Data Ownership

Data Owner of the Map Content

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

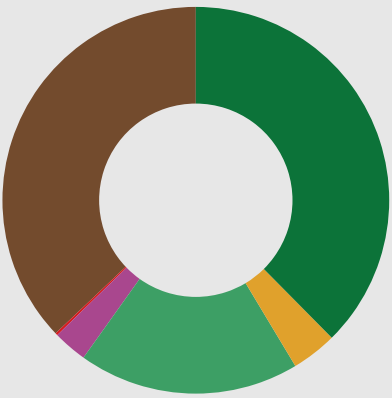
National Land Commission Secretariat



Zone Area

Gewog	Gase Tshogom
Gewog code	1707
Gewog area	7161.764

Zone	Area
Agriculture	1185.751
Cultural Heritage	6.394
Industrial	91.047
NCA	590.553
Rangeland	0
Rural Settlement	121.647
SFMA	1201.766
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	17.261	0	0	0	1.369	0
Road	14.834	0	1.337	0	0	0.558	0.214	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	73.764
Road	55.317
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone

- Urban
  - Urban Zone

Nature Conservation Area

- Protected Area
  - Core Zone
  - Transistion Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value
- Rangeland
  - Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

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  - Contour

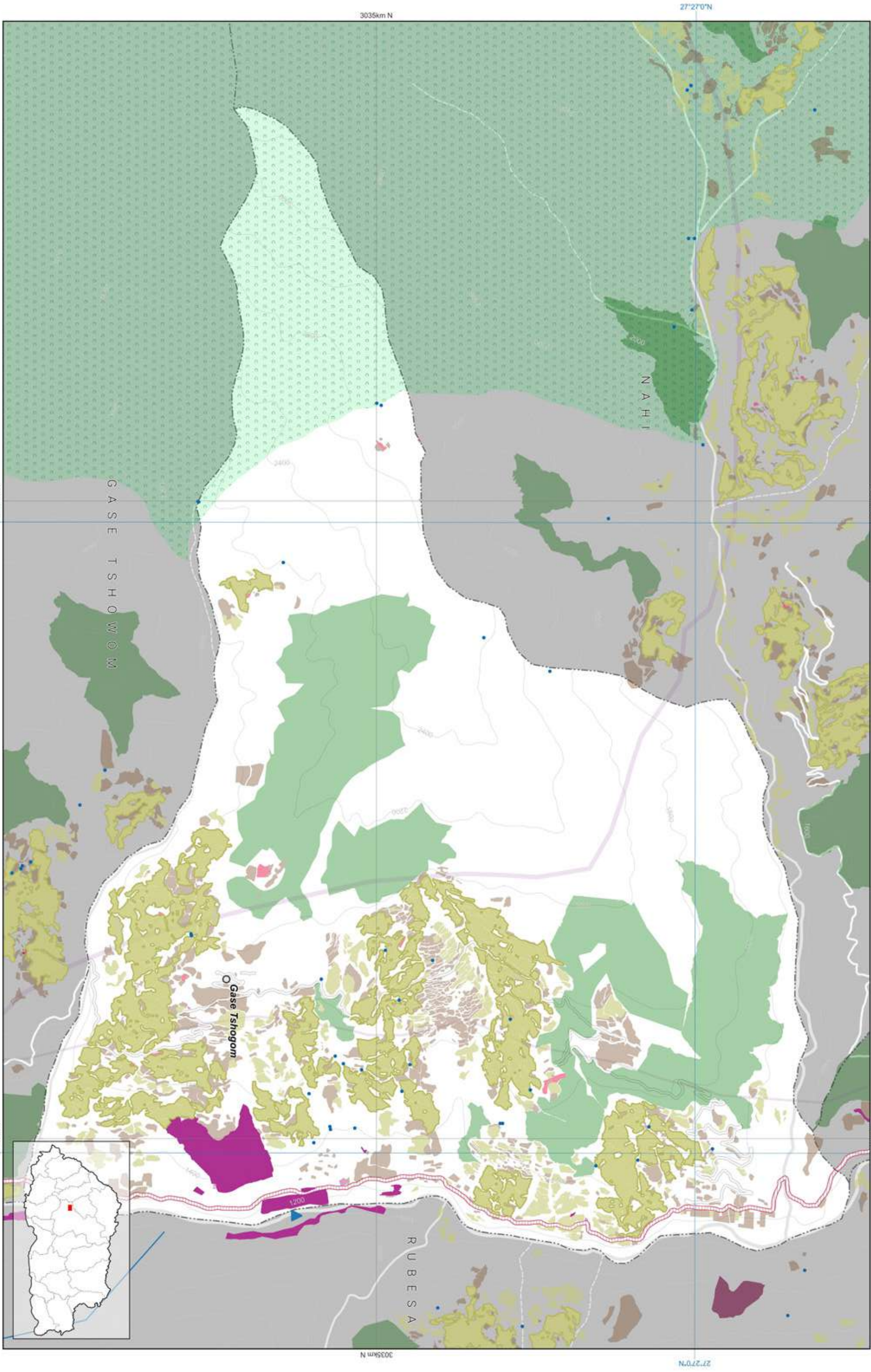
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Demographic Table

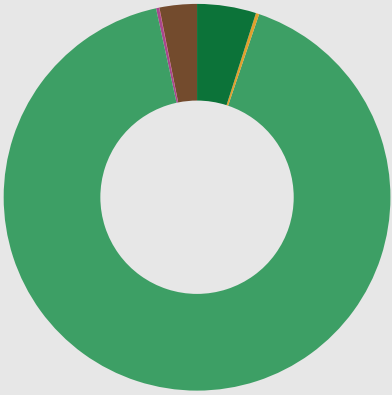
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Gase Tshogom	2,071	1,889	3,960	109.6	16.5	833
						Mean Household size
						3.6



Zone Area

Gewog	Gase Tshowom
Gewog code	1906
Gewog area	51358.882

Zone	Area
Agriculture	621.448
Cultural Heritage	4.748
Industrial	51.765
NCA	18206.995
Rangeland	0
Rural Settlement	55.056
SFMA	981.046
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	0	0	0	0	0
NCA	0	0	31.43	0	0	0	0.566	0
Agriculture	0	31.43	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0.566	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	12.861	0	14.432	0	0	0.686	1.796	0
Road	0	0	0	0	0	0.327	1.019	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	123.665
Road	52.462
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
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    - Industrial 5k
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Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Gase Tshowom	623	336	959	185.4	35.3	188
Rurichu Town	103	110	213	93.6	2.7	64

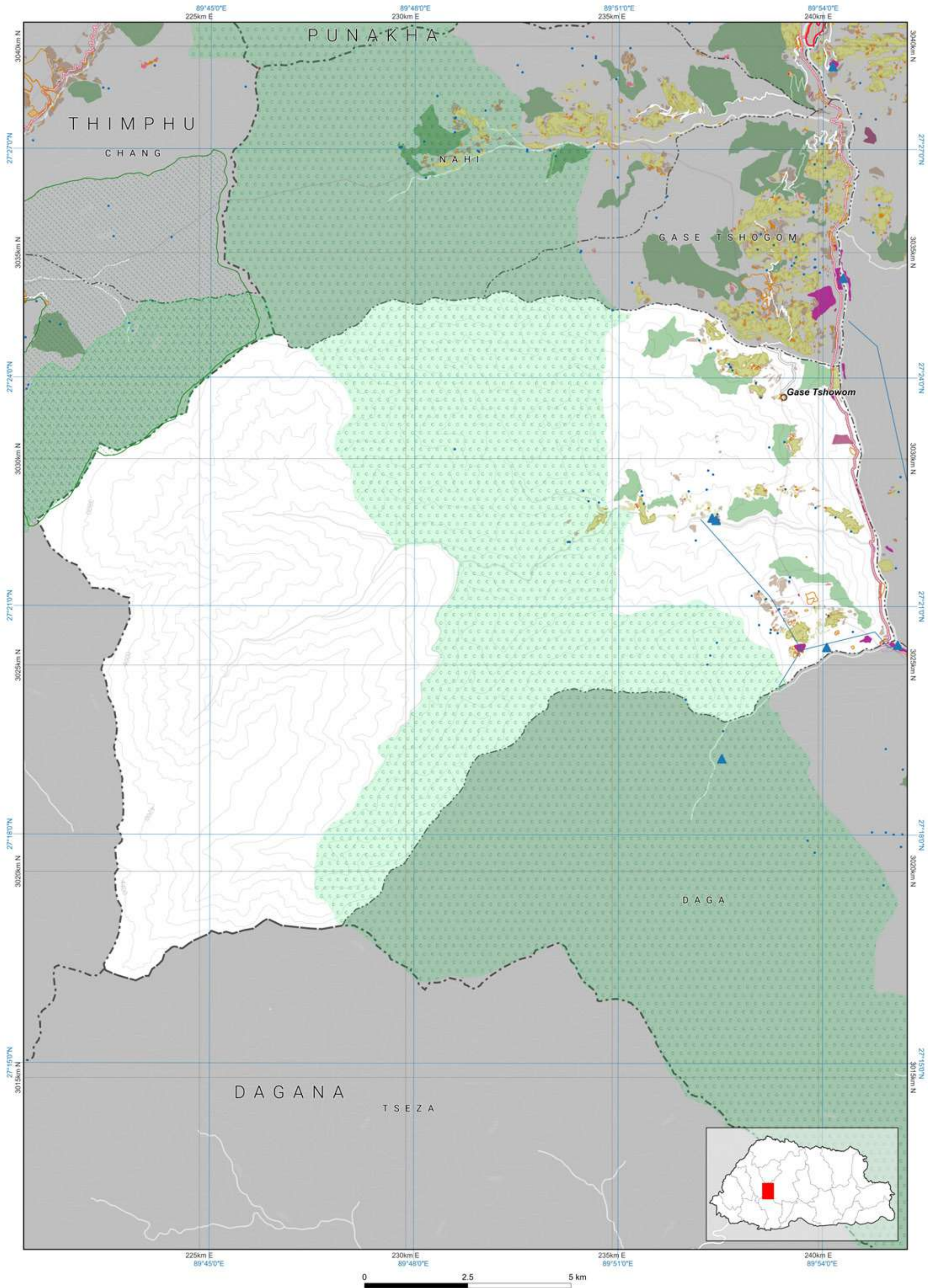
**Disclaimer:**  
Disclaimer: The demographic statistics provided in the table above for Rurichu town encompass not only the area falling under the Gase Tshowom gewog but also include the demographic statistics of the town area falling under the Daga gewog. The same statistics for Rurichu town can be found under the Daga gewog.

Data Ownership

Data Owner of the Map Content
Bhutan Power Corporation Limited Druk Holding and Investment
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Geology and Mines Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Wangdue Phodrang: Gase Tshowom

National Land Use Zoning 2023



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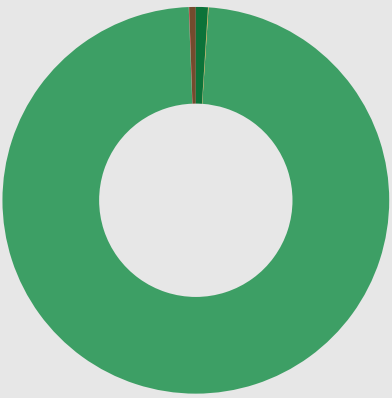




Zone Area

Gewog	Kazhi
Gewog code	1908
Gewog area	154780.926

Zone	Area
Agriculture	654.92
Cultural Heritage	41.401
Industrial	1.249
NCA	117281.789
Rangeland	0
Rural Settlement	58.265
SFMA	1195.13
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

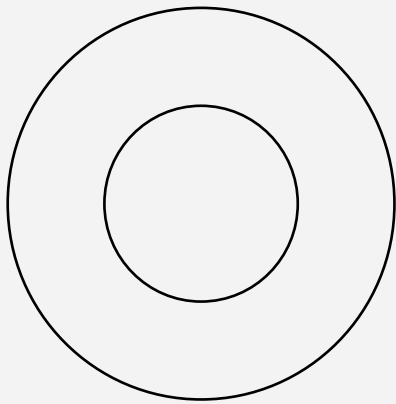
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	150.663	0.00	0	0	0	0	0
NCA	150.663	0	13.83	0	0.554	0.217	8.275	0
Agriculture	0	13.83	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0.554	0	0	0	0	0	0
Industrial	0	0.217	0	0	0	0	0	0
Rural Settlement	0	8.275	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Kazhi	695	594	1,289	117.0	47.2	334	3.7

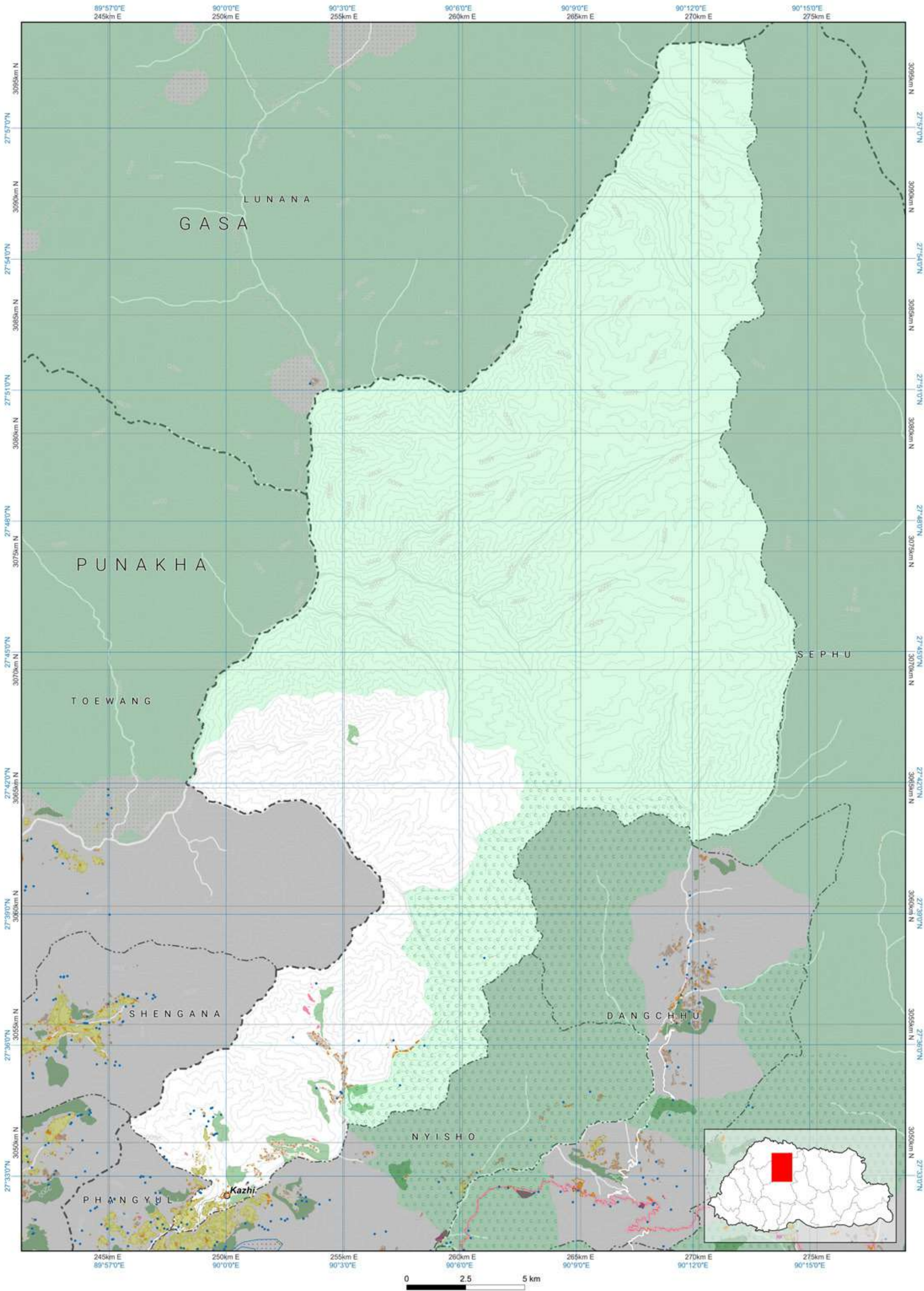
Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Centre for Hydrology and Meteorology
National Land Commission Secretariat

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake
  - Outburst Flood
  - Right Of Way / Buffer
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
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    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
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    - Industrial 5k
    - Farm 5k



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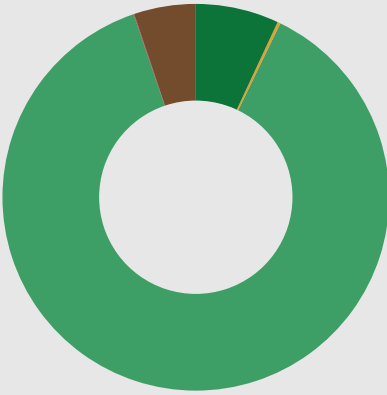


NAHI

Zone Area

Gewog	Nahi
Gewog code	1909
Gewog area	16742.294

Zone	Area
Agriculture	670.003
Cultural Heritage	6.426
Industrial	0.053
NCA	11359.773
Rangeland	0
Rural Settlement	31.786
SFMA	902.208
Urban	0



- All areas are in Acres.
- Agriculture
  - Cultural Heritage
  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	364.379	0.00	0	0	0	0	0
NCA	364.379	0	140.91	0	1.087	0	6.183	0
Agriculture	0	140.91	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	1.087	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	6.183	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	2.267	64.482	20.287	0	0	0	0.428	0
Road	0	0	0	0	0	0	0	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	99.21
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
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- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest

- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone

- Urban
  - Urban Zone

Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park

- Wetland
  - Ramsar Site

Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

- Rangeland
  - Tsamdro

Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

- Rivers
  - Main river
  - Perennial

- Terrain
  - Contour

Roads for different map scales

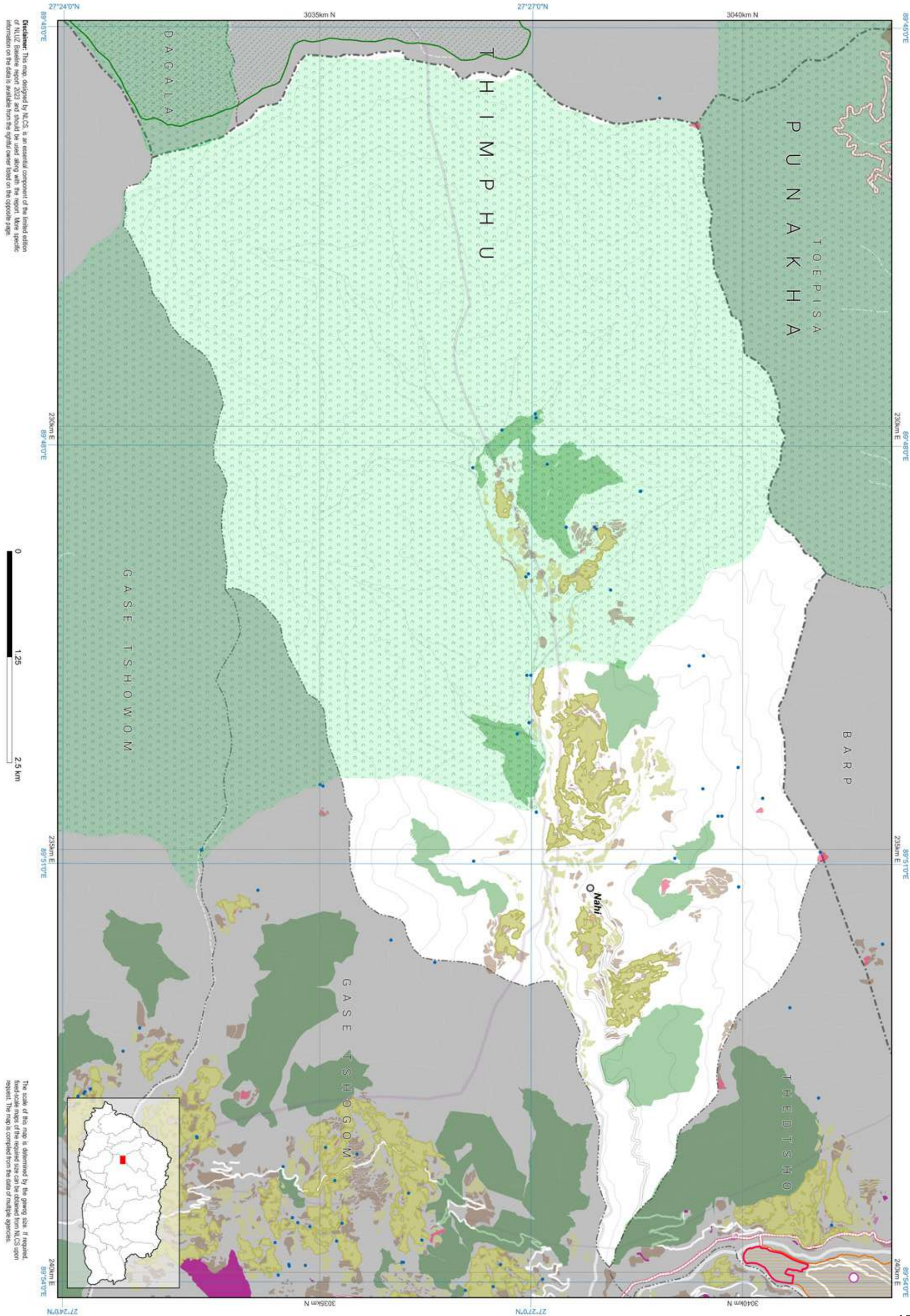
- Highway 300k
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- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Nahi	291	305	596	95.4	40.2	148
						Mean Household size
						3.7

Data Ownership

- Data Owner of the Map Content
  - Department of Agriculture
  - Ministry of Agriculture and Livestock
- Department of Energy
  - Ministry of Energy and Natural Resources
- Department of Forests and Park Services
  - Ministry of Energy and Natural Resources
- Department of Water
  - Ministry of Energy and Natural Resources
- National Land Commission Secretariat



The scale of this map is determined by the geospatial data. If required, the scale of the map can be obtained from the National Land Commission Secretariat. The map is prepared from the data of various agencies.



WANGDUE PHODRANG

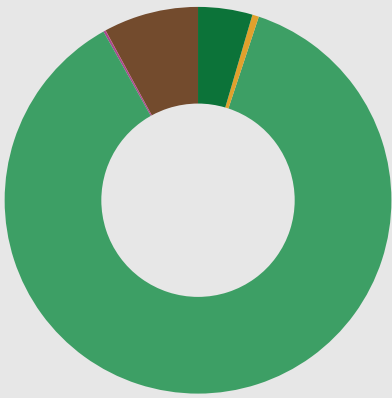




Zone Area

Gewog	Nyisho
Gewog code	1910
Gewog area	28765.236

Zone	Area
Agriculture	1431.879
Cultural Heritage	4.136
Industrial	32.452
NCA	15675.41
Rangeland	0
Rural Settlement	99.215
SFMA	819.989
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	178.001	0.00	0	0	0	0	0
NCA	178.001	0	95.36	0	0.154	15.819	16.17	0
Agriculture	0	95.36	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0.154	0	0	0	0	0	0
Industrial	0	15.819	0	0	0	0	0	0
Rural Settlement	0	16.17	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	1.040	0	0	0	0.094	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	30.735
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

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  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
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  - Road
  - Powerlines
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    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

Data Owner of the Map Content

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Geology and Mines  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

Demographic Table

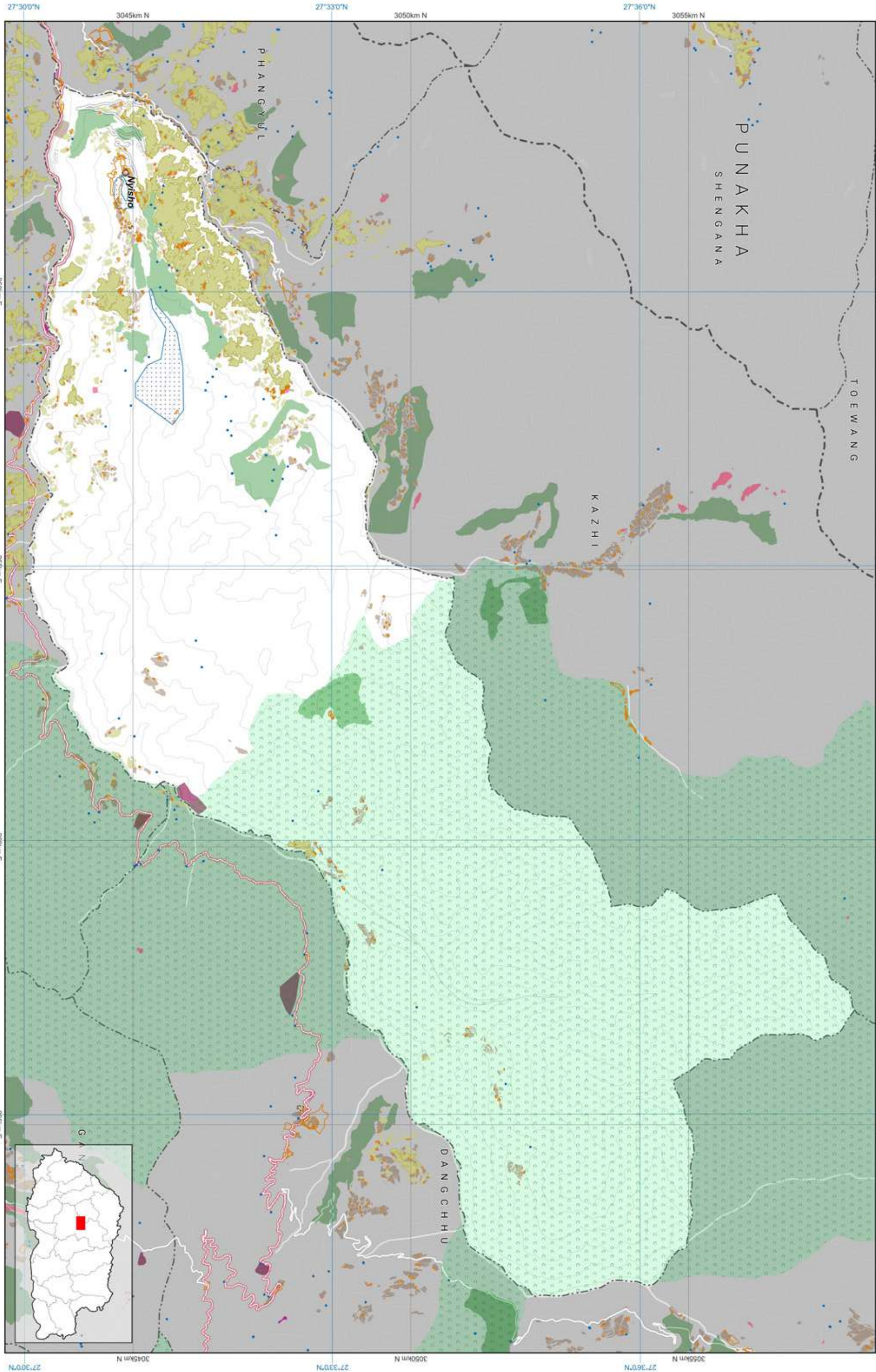
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Nyisho	1,166	1,346	2,512	86.6	31.7	470

4.1

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0 1.25 2.5 km

The scale of this map is determined by the given size. If required, base-scale maps of the required size can be obtained from NCS upon request. This map is compiled from the data of multiple agencies.

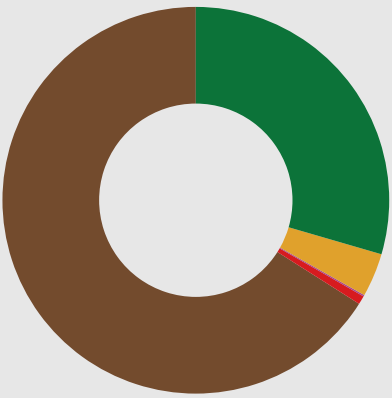




Zone Area

Gewog	Phangyul
Gewog code	1911
Gewog area	7884.521

Zone	Area
Agriculture	985.572
Cultural Heritage	10.593
Industrial	1.95
NCA	0
Rangeland	0
Rural Settlement	54.512
SFMA	440.627
Urban	0



All areas are in Acres.

■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0.626	0	0	0.029	1.065	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	49.141
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
- Road
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsandro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

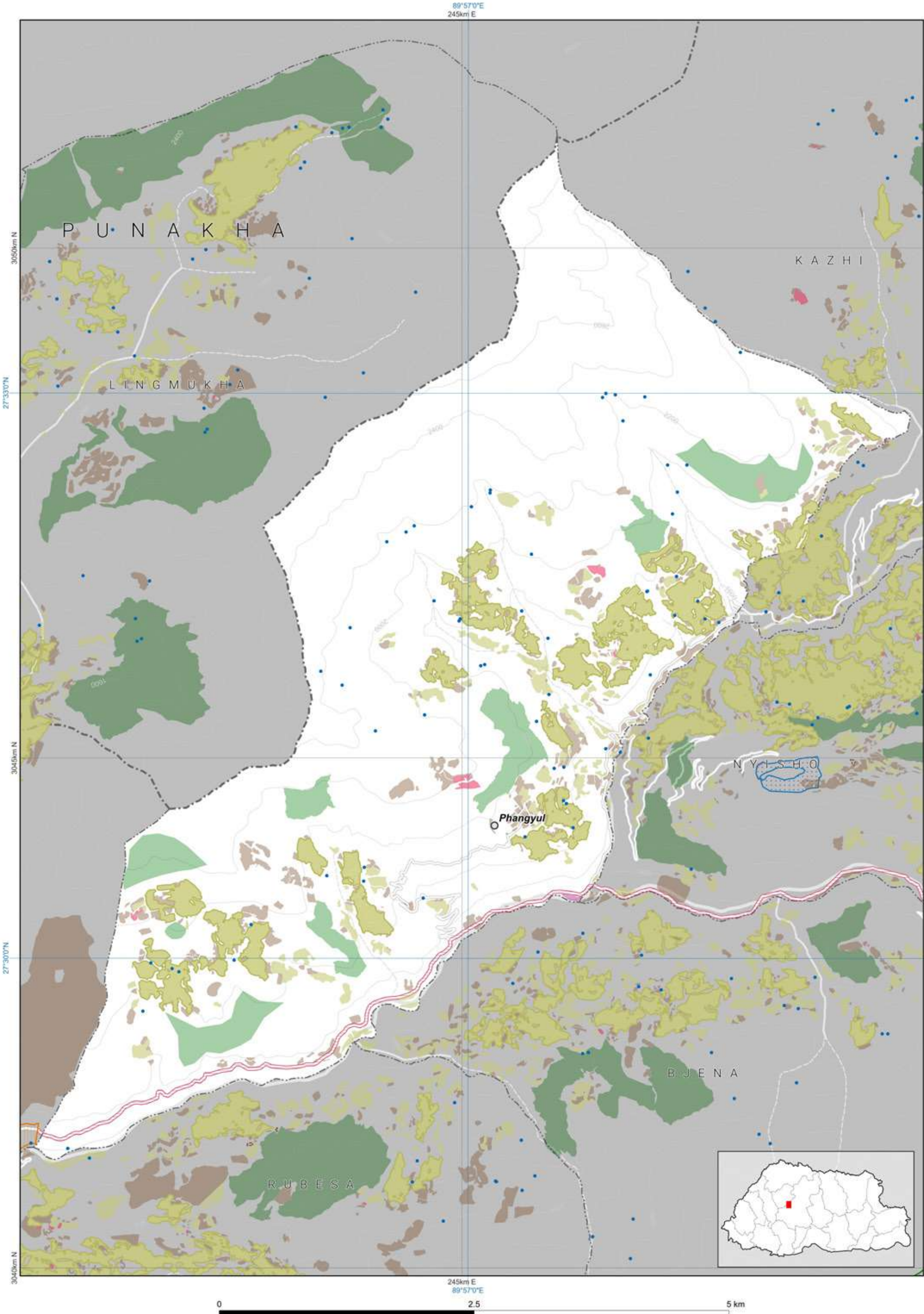
- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Phangyul	519	445	964	116.6	40.3	225	3.6

Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat



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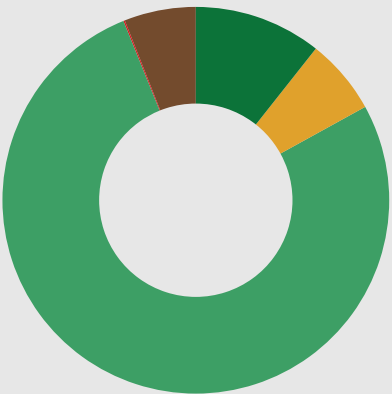
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.





Zone Area

Gewog	Phobji
Gewog code	1912
Gewog area	37429.274
Zone	Area
Agriculture	1218.655
Cultural Heritage	24.297
Industrial	0.519
NCA	15647.118
Rangeland	0
Rural Settlement	1286.225
SFMA	2168.466
Urban	0



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

Zone Conflict

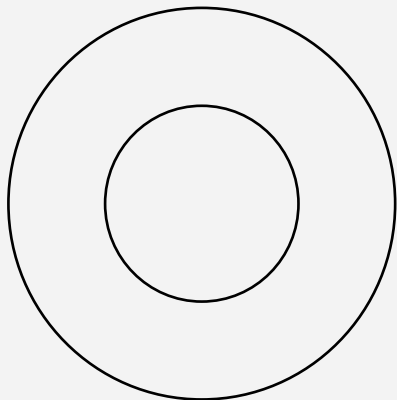
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	31.338	0.00	0	0	0	0	0
NCA	31.338	0	39.09	0	0.046	0	930.81	0
Agriculture	0.00	39.09	0	0	0	0	0.005	0
Urban	0.00	0	0	0	0	0	0	0
Culture	0.00	0.046	0	0	0	0	0	0
Industrial	0.00	0	0	0	0	0	0	0
Rural Settlement	0.00	930.81	0.005	0	0	0	0	0
Rangeland	0.00	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Phobji	1,039	1,082	2,121	96.0	22.3	421	4.7

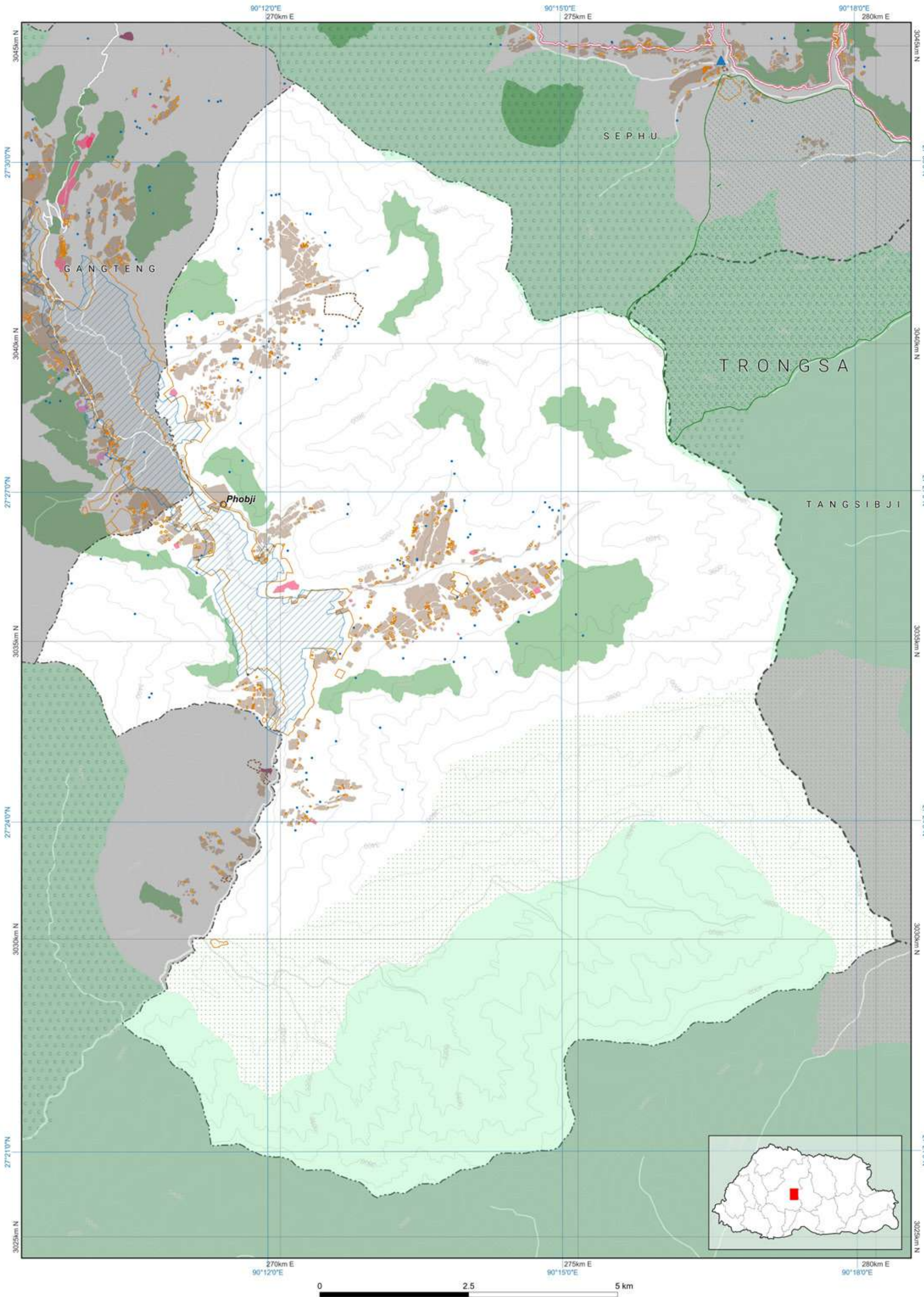
Data Ownership

Data Owner of the Map Content
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
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  - Protected Area
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    - Transition Zone
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    - Gewog
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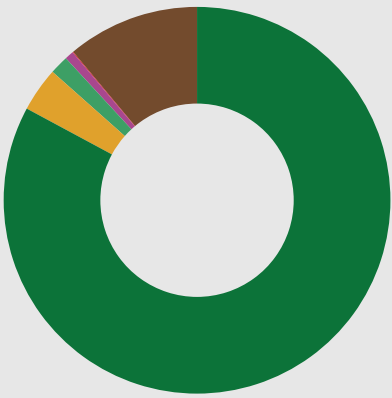
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Zone Area

Gewog	Rubesa
Gewog code	1913
Gewog area	39102.145
Zone	Area
Agriculture	1817.951
Cultural Heritage	10.965
Industrial	120.824
NCA	256.942
Rangeland	0
Rural Settlement	608.557
SFMA	13608.048
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	104.192	298.62	0	7.372	0.201	532.758	0
NCA	104.192	0	14.76	0	0	0	0.703	0
Agriculture	298.62	14.76	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	7.372	0	0	0	0	0	0	0
Industrial	0.201	0	0	0	0	0	0	0
Rural Settlement	532.758	0.703	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	2.338	0	0
Road	0	0	0	0	0	0.853	0	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	3.161
Road	8.658
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Rubesa	1,276	903	2,179	141.3	32.1	447	3.9

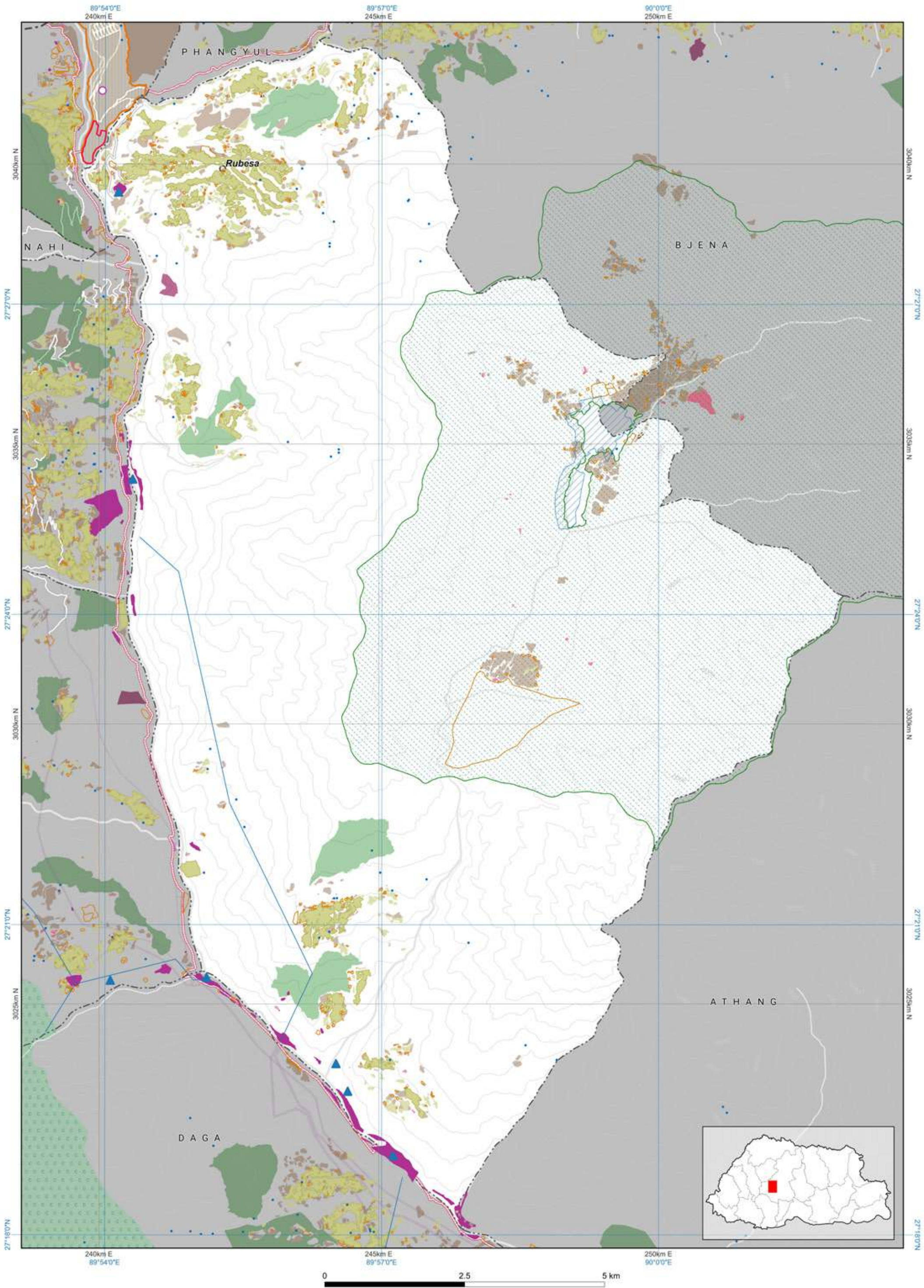
Data Ownership

Data Owner of the Map Content
Bhutan Power Corporation Limited Druk Holding and Investment
Department of Agriculture Ministry of Agriculture and Livestock
Department of Energy Ministry of Energy and Natural Resources
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
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- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
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  - Rivers
    - Main river
    - Perennial
  - Terrain
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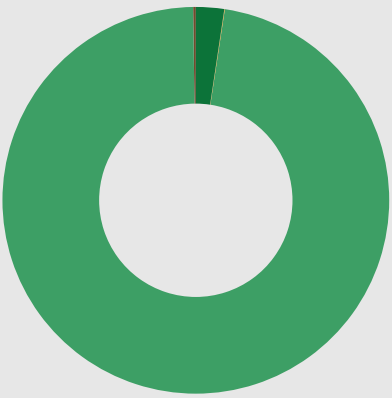




Zone Area

Gewog	Sephu
Gewog code	1914
Gewog area	273778.306

Zone	Area
Agriculture	580.299
Cultural Heritage	8.65
Industrial	8.847
NCA	258545.74
Rangeland	0
Rural Settlement	122.639
SFMA	6253.147
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	1119.447	39.072	0	0	0	25.396	0
NCA	1119.447	0	172.708	0	4.308	7.9	60.453	0
Agriculture	39.072	172.708	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	4.308	0	0	0	0	0	0
Industrial	0	7.9	0	0	0	0	0	0
Rural Settlement	25.396	60.453	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	163.091
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
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  - Protected Chhuzhing
  - Regulated Chhuzhing
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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
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    - Core Zone
    - Transistion Zone
    - Buffer Zone
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    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Data Ownership

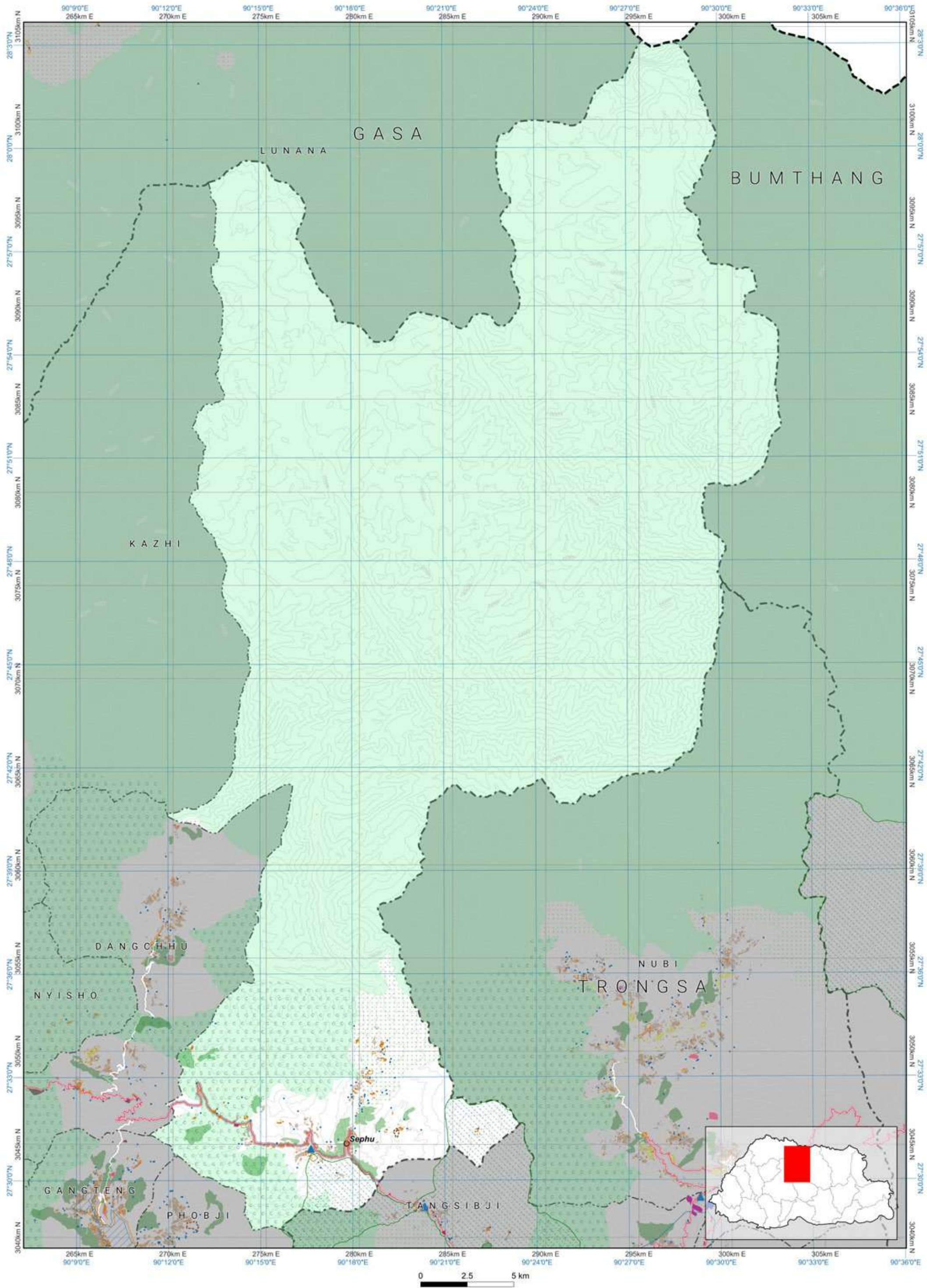
Data Owner of the Map Content
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Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
Department of Surface Transport Ministry of Infrastructure and Transport
National Centre for Hydrology and Meteorology
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Sephu	875	854	1,729	102.5	38.3	421	3.7

Wangdue Phodrang: Sephu

National Land Use Zoning 2023



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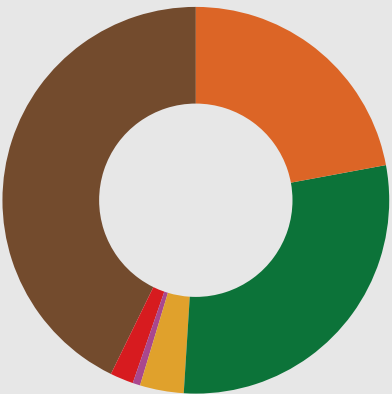




Zone Area

Gewog	Thedtsho
Gewog code	1915
Gewog area	4947.226

Zone	Area
Agriculture	953.41
Cultural Heritage	43.426
Industrial	13.975
NCA	0
Rangeland	0
Rural Settlement	81.621
SFMA	644.439
Urban	492.342



All areas are in Acres.

■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	0	0	0	0	0
NCA	0	0	0.00	0	0	0	0	0
Agriculture	0	0	0	0.002	0	0	0	0
Urban	0	0	0.002	0	39.424	0	0	0
Culture	0	0	0	39.424	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	10.628	0	1.499	0	0	0	0.027	0
Road	0	0	6.084	0	0.013	1.144	0.998	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	17.861
Road	56.65
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Mean Household size
	Male	Female	Total			
Thedtsho	1,861	1,513	3,374	123.0	15.6	769
Wangdue Phodrang Town	4,728	4,226	8,954	111.9	9.6	2,104

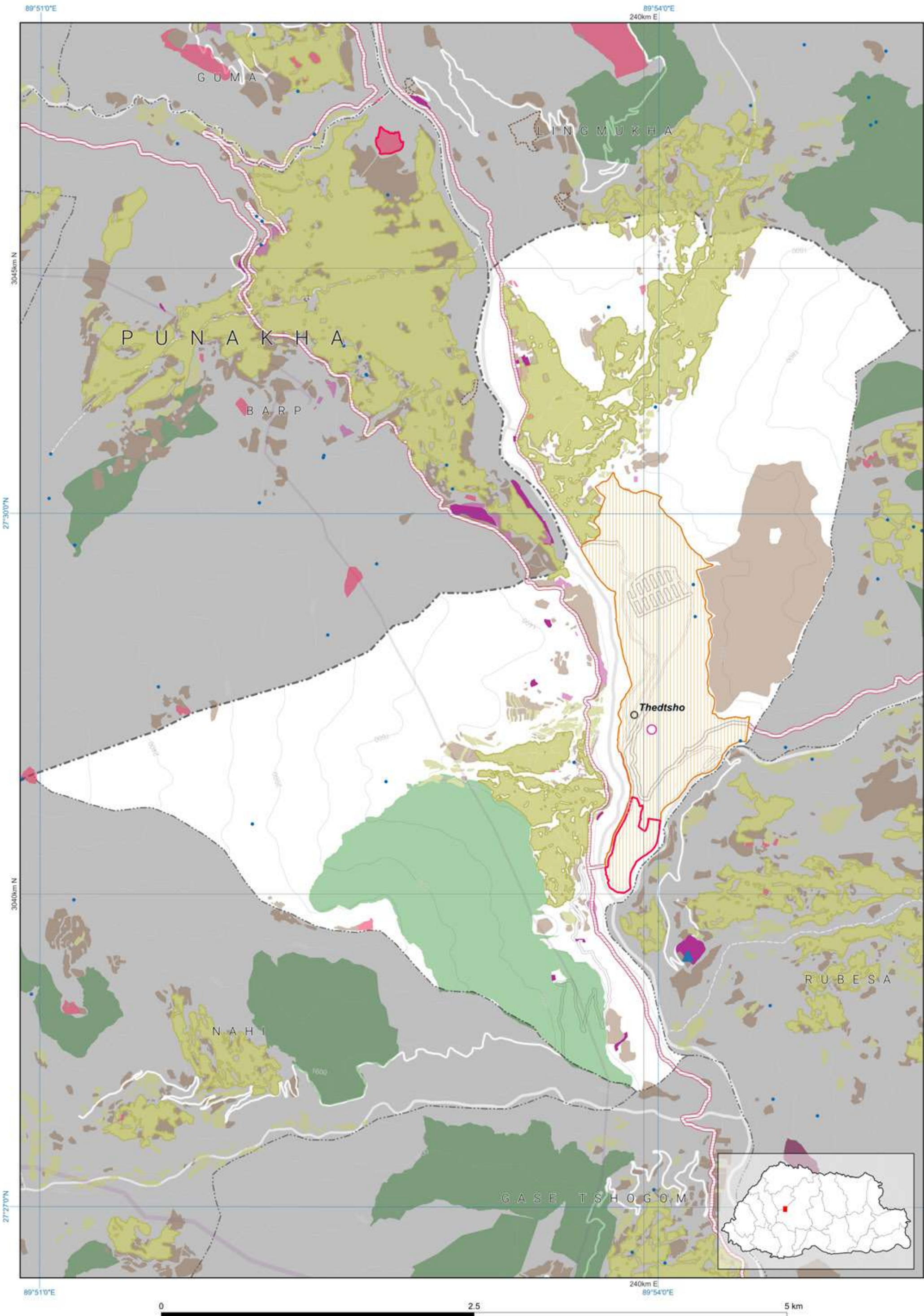
Map Legend

National Land Use Zoning

- Agricultural Land
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  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
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  - Heritage Conservation Zone
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  - Urban Zone
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Data Ownership

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Department of Water Ministry of Energy and Natural Resources
Department of Culture and Dzongkha Development Ministry of Home Affairs
Department of Air Transport Ministry of Infrastructure and Transport
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat



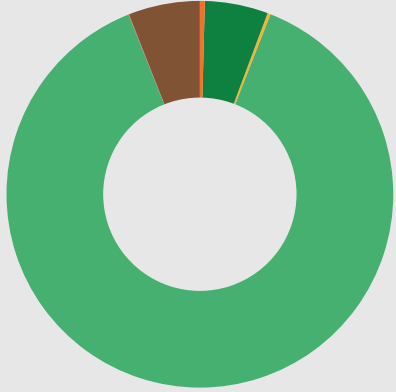
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Zone Area

Dzongkhag	Zhemgang
Dzongkhag code	20
Dzongkhag area	596473.503
Zone	Area
Agriculture	23268.425
Culture	120.13
Industrial	74.674
NCA	342918.49
Rangeland	0
Rural Settlement	994.563
SFMA	20592.334
Urban	1598.798



■ Agriculture  
■ Culture  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

All areas are in Acres.

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	6712.616	752.37	293.123	16.533	1.395	18.208	0
NCA	6712.616	0	6,414.61	138.485	13.102	6.996	353.405	0
Agriculture	752.37	6,414.61	0	18.66	0	0	0	0
Urban	293.123	138.485	18.66	0	16.013	0.158	38.891	0
Culture	16.533	13.102	0	16.013	0	0	0	0
Industrial	1.395	6.996	0	0.158	0	0	0	0
Rural Settlement	18.208	353.405	0	38.891	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Heritage	Industrial	Rural Settlement	Rangeland
Transmission Line	75.733	567.697	135.913	36.967	0	0.101	3.08	0
Road	194.347	559.837	69.773	0	0.27	0.103	10.38	0
Flood Hazard	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	1063.373
Road	1266.449
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
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  - Regulated Chhuzhing
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  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
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  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
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  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

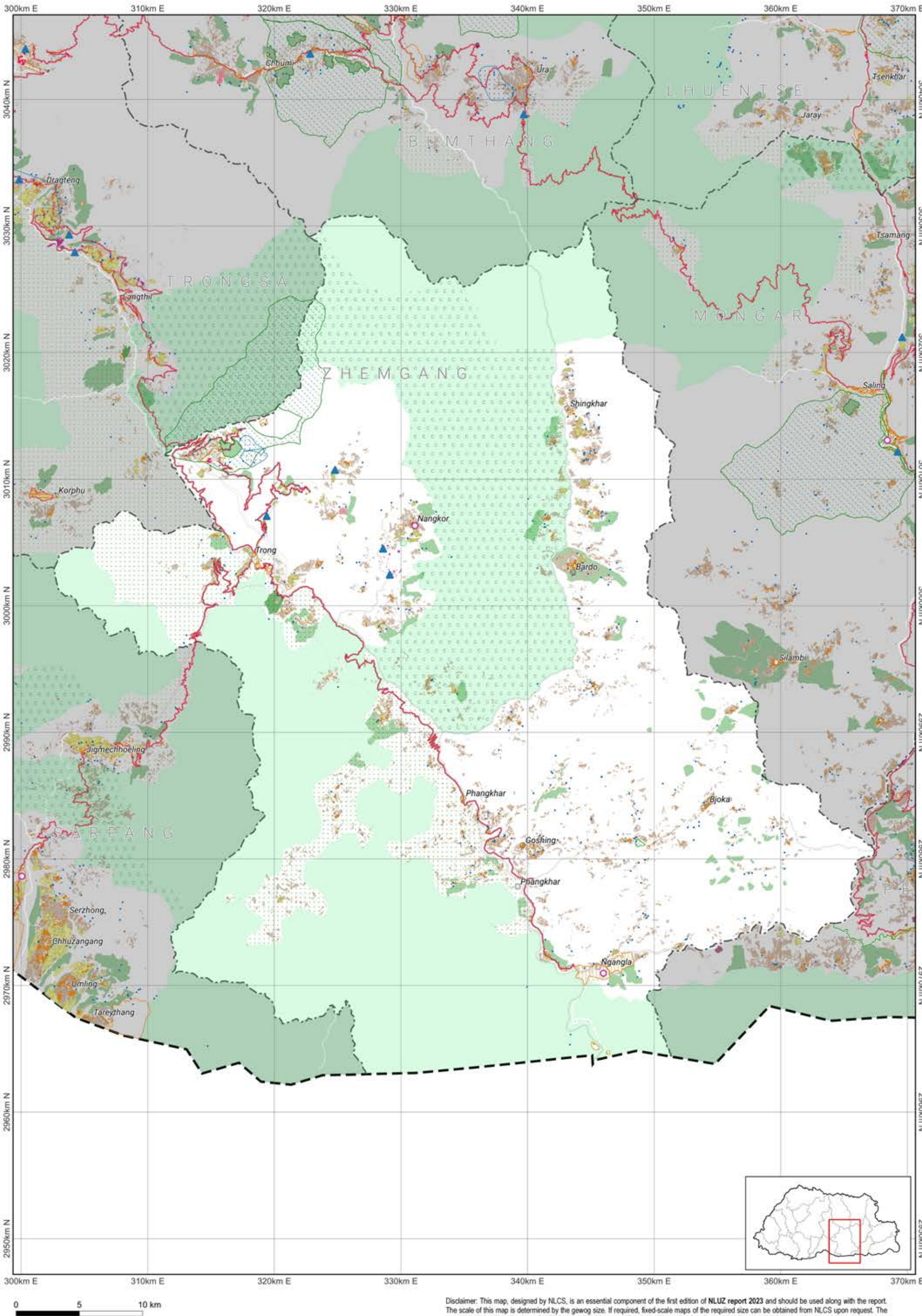
- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
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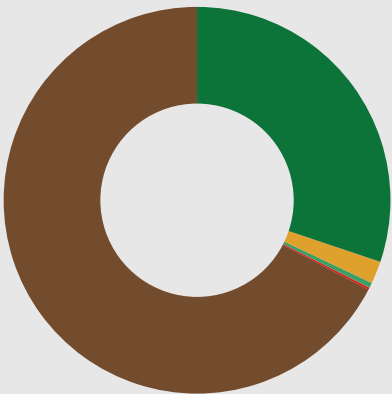
Demographic Table

Dzongkhag Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Dzongkhag	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Zhemgang	9,195	8,568	17,763	107.3	30.6	3,803



Zone Area

Gewog	Bardo
Gewog code	2001
Gewog area	51238.457
Zone	Area
Agriculture	3962.635
Cultural Heritage	10.746
Industrial	0.501
NCA	25.27
Rangeland	0
Rural Settlement	110.342
SFMA	1774.775
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

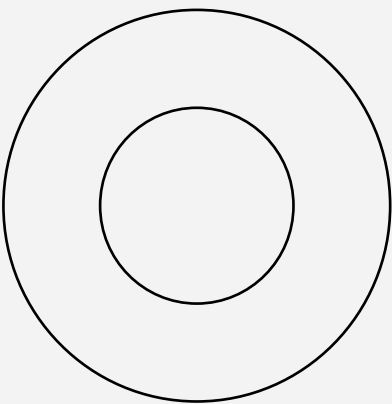
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

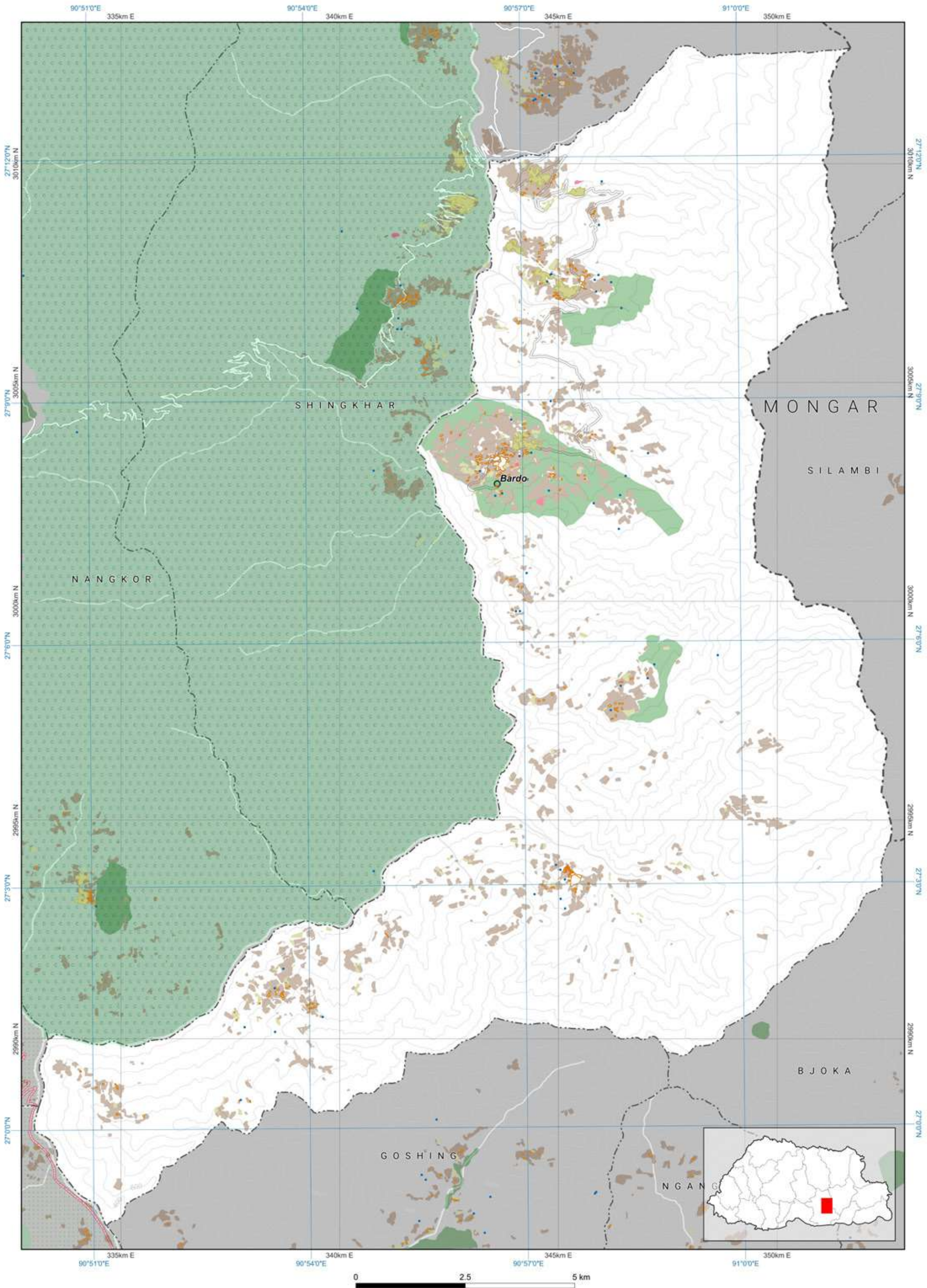
Map Legend

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Zhemgang: Bardo

National Land Use Zoning 2023



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Data Owner of the Map Content
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Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Demographic Table

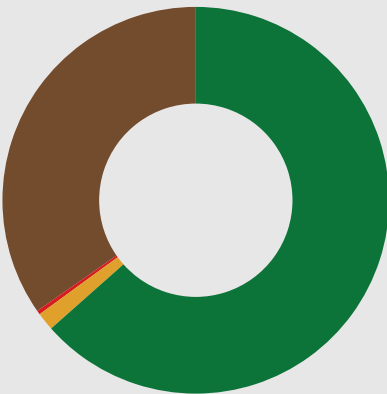
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Bardo	931	803	1,734	115.9	36.1	388

4.1



Zone Area

Gewog	Bjoka
Gewog code	2002
Gewog area	47868.508
Zone	Area
Agriculture	1290.125
Cultural Heritage	12.416
Industrial	0.125
NCA	0
Rangeland	0
Rural Settlement	56.038
SFMA	2359.071
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

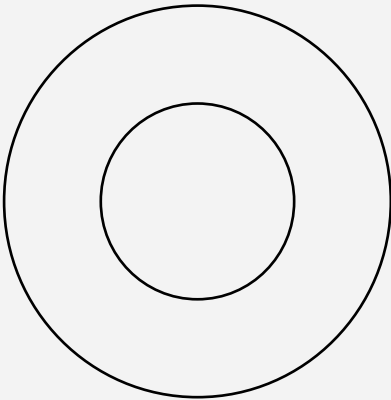
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



Transmission Line

Road

Flood Hazard

Flight Funnel

Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
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- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
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  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways

Basemap

Boundaries

- International
- Dzongkhag
- Gewog

Rivers

- Main river
- Perennial

Terrain

- Contour

Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)							
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Bjoka	434	422	856	102.8	37.8	194	3.9

Data Ownership

Data Owner of the Map Content

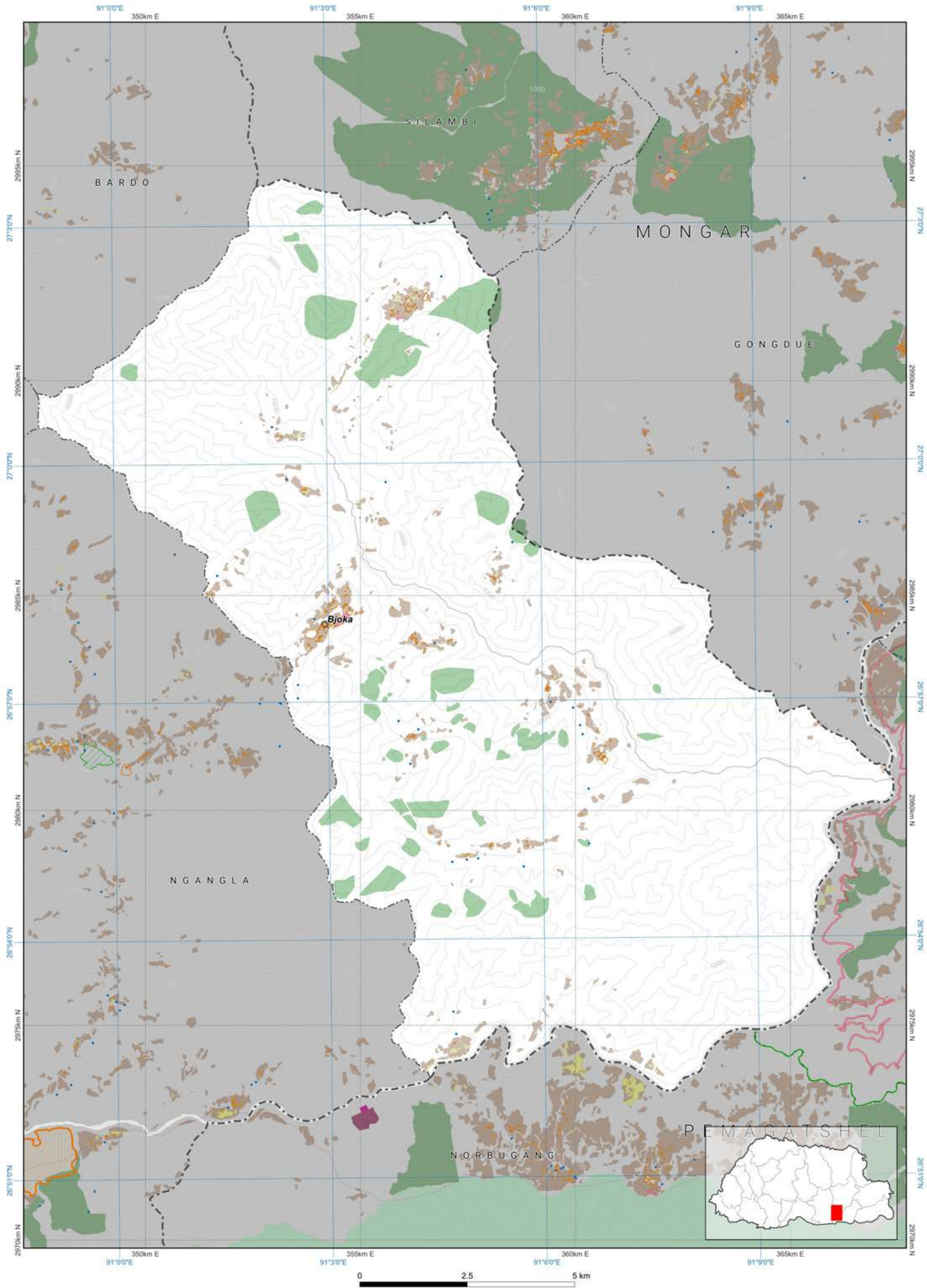
Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

National Land Commission Secretariat

Zhemgang: Bjoka

National Land Use Zoning 2023



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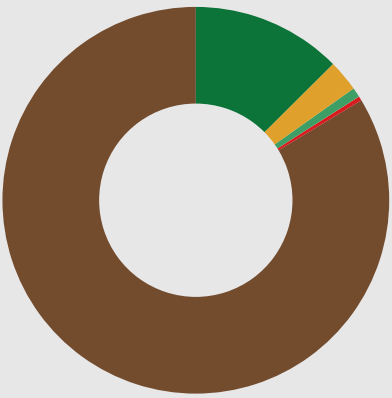
The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.



Zone Area

Gewog	Goshing
Gewog code	2003
Gewog area	24496.993

Zone	Area
Agriculture	2292.515
Cultural Heritage	9.835
Industrial	0.2
NCA	21.819
Rangeland	0
Rural Settlement	72.301
SFMA	344.024
Urban	0



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0	0	0	0	0	0
NCA	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	0	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0.479	0.000	0	0	0	0	0
Road	0	1.012	13.527	0	0	0	1.831	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	3.866
Road	106.92
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

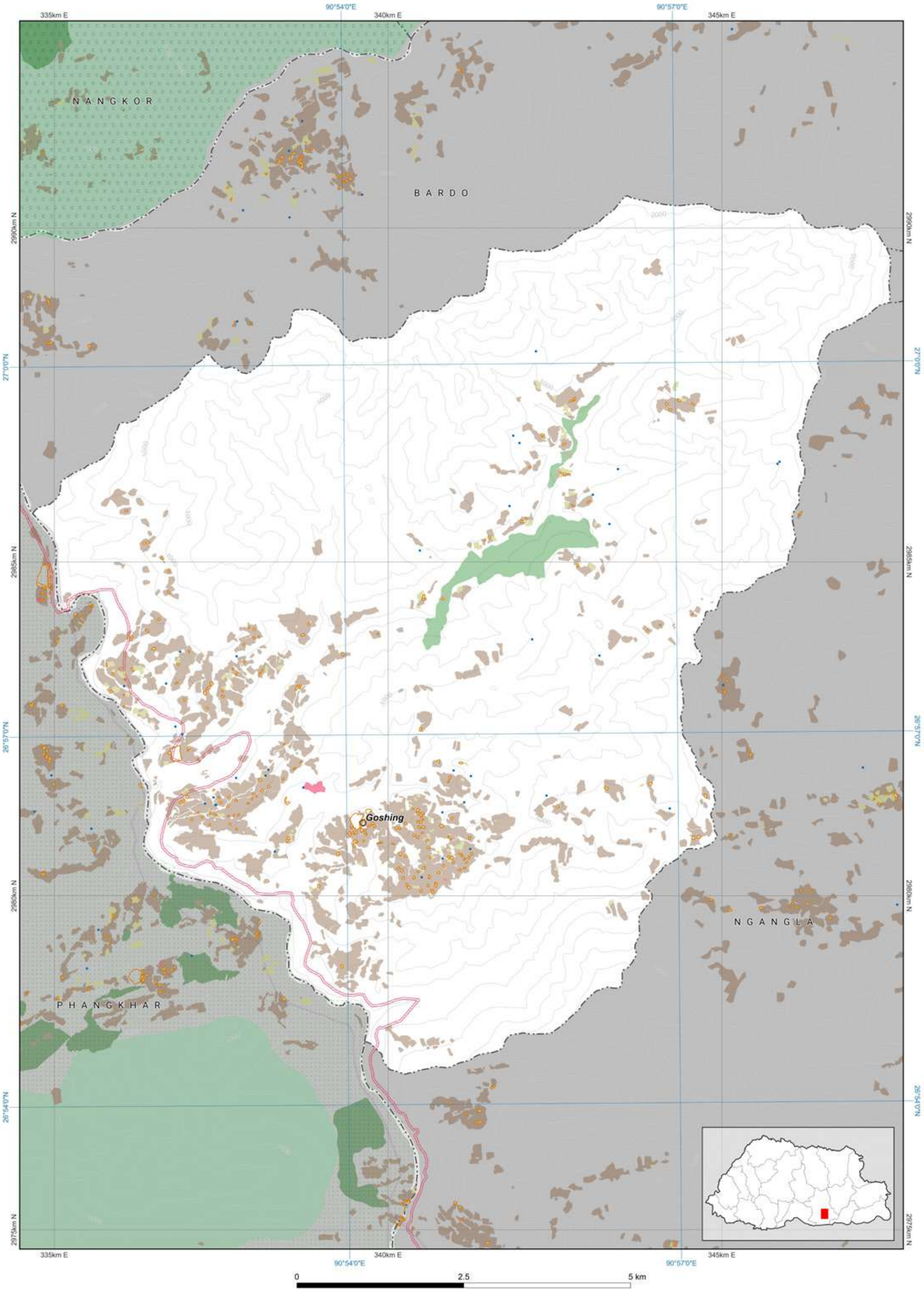
Map Legend

National Land Use Zoning

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    - Main river
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  - Roads for different map scales
    - Highway 300k
    - Highway 50k
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    - Dzongkhag 5k
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    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

Zhemgang: Goshing

National Land Use Zoning 2023



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Ministry of Energy and Natural Resources
- Department of Forests and Park Services  
Ministry of Energy and Natural Resources
- Department of Water  
Ministry of Energy and Natural Resources
- Department of Surface Transport  
Ministry of Infrastructure and Transport
- National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)					
Gewog / Throm	Total Population			Sex ratio	Aging Index
	Male	Female	Total		
Goshing	699	697	1,396	100.3	46.1

Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household	Mean Household size
	Male	Female	Total				
Goshing	699	697	1,396	100.3	46.1	336	3.8



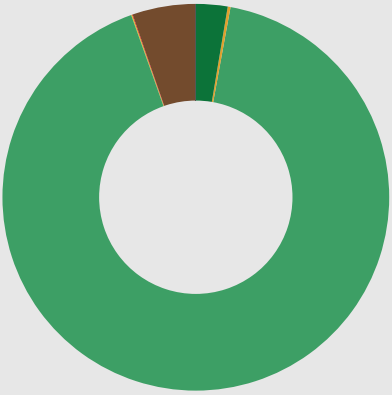




Zone Area

Gewog	Nangkor
Gewog code	2004
Gewog area	121355.541

Zone	Area
Agriculture	4160.403
Cultural Heritage	45.614
Industrial	54.315
NCA	71971.438
Rangeland	0
Rural Settlement	183.62
SFMA	2069.868
Urban	2.923



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	311.47	0.00	0	0	0	0	0
NCA	311.47	0	537.66	0	1.035	0	21.241	0
Agriculture	0.00	537.66	0	0	0	0	0	0
Urban	0.00	0	0	0	0	0	0	0
Culture	0.00	1.035	0	0	0	0	0	0
Industrial	0.00	0	0	0	0	0	0	0
Rural Settlement	0.00	21.241	0	0	0	0	0	0
Rangeland	0.00	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0.092	11.215	0	0	0.101	0.001	0
Road	3.731	0	4.050	0	0.088	0	0.522	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	112.104
Road	73.089
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
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    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k

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Ministry of Energy and Natural Resources

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Department of Air Transport  
Ministry of Infrastructure and Transport

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

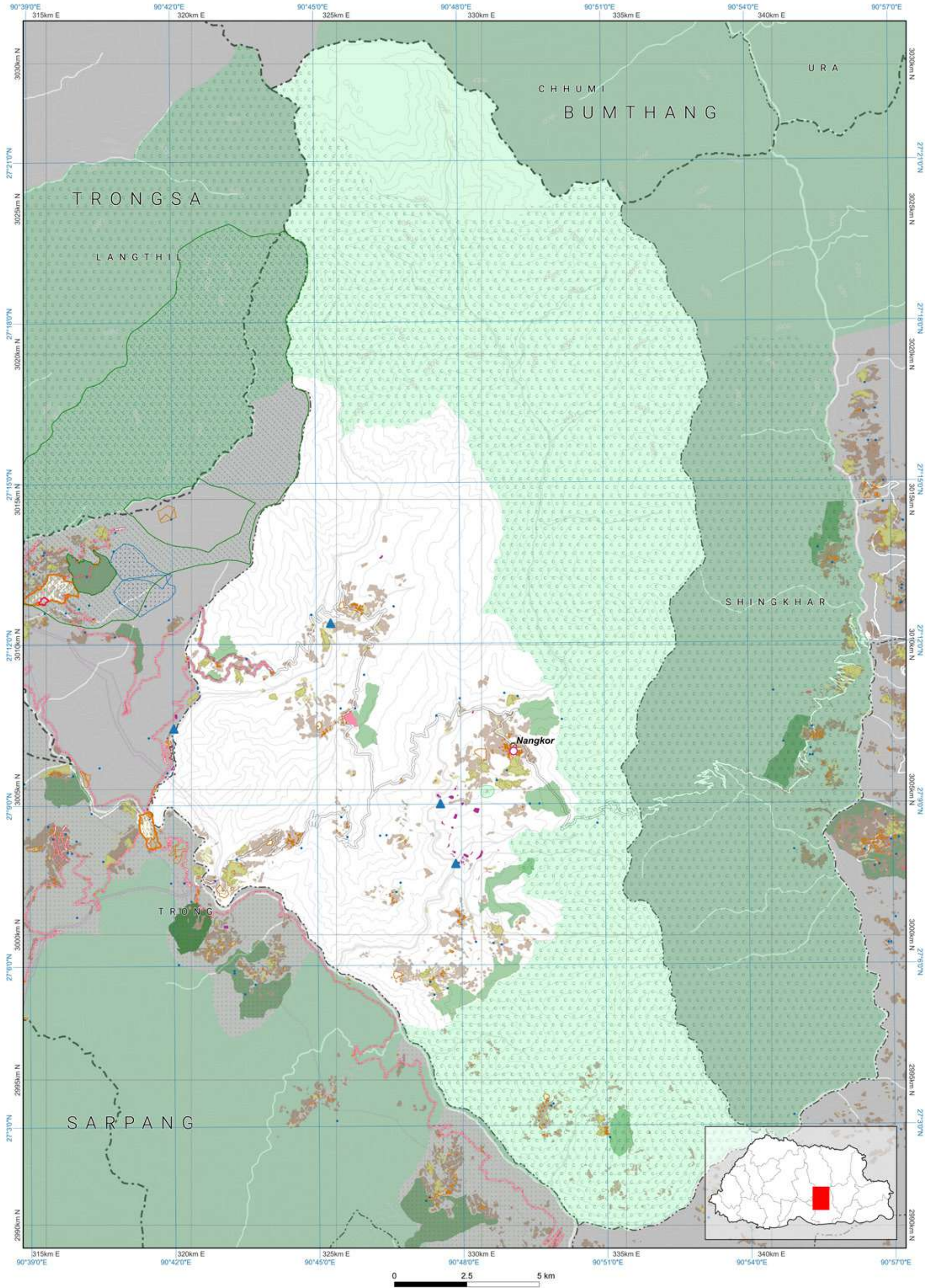
Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Nangkor	1,329	1,273	2,602	104.4	31.8	513
Tingtibi Town	289	245	534	118.0	11.7	137

**Disclaimer:**  
The demographic statistics provided in the table above for Tingtibi Town encompass not only the area falling under the Nangkor gewog but also include the demographic statistics of the town area falling under the Trong gewog. The same statistics for Tingtibi town can be found under the Trong gewog.

Zhemgang: Nangkor

National Land Use Zoning 2023



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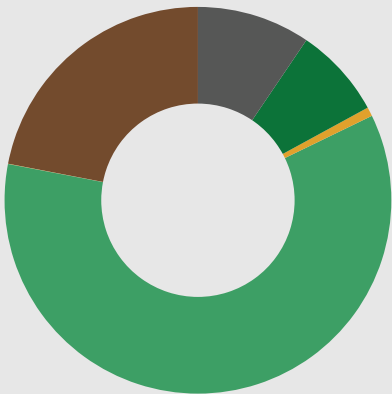
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Zone Area

Gewog	Ngangla
Gewog code	2005
Gewog area	53089.489

Zone	Area
Agriculture	2754.946
Cultural Heritage	1.113
Industrial	2.138
NCA	7547.854
Rangeland	0
Rural Settlement	94.979
SFMA	949.543
Urban	1188.333



All areas are in Acres.

- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	0	0.00	19.809	0	0	0	0
NCA	0	0	1.22	19.36	0	0	16.321	0
Agriculture	0.00	1.22	0	7.566	0	0	0	0
Urban	19.809	19.36	7.566	0	0	0	0.5	0
Culture	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0
Rural Settlement	0	16.321	0	0.5	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	4.862	0.013	23.057	33.112	0	0	0.107	0
Road	5.044	0	7.279	0	0	0	1.132	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	100.49
Road	75.95
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Map Legend

National Land Use Zoning

- Agricultural Land
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  - Residential Land
  - Institutional Land
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  - Forest Management Unit
  - Community Forest

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  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

- Nature Conservation Area
  - Protected Area
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    - Transition Zone
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    - Multi Use Zone
    - Biological Corridor / Botanical Park

- Wetland
  - Ramsar Site

- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer

- Heritage
  - Road
  - Powerlines
  - Flight Funnel

- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value

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    - Thromde 5k
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Data Ownership

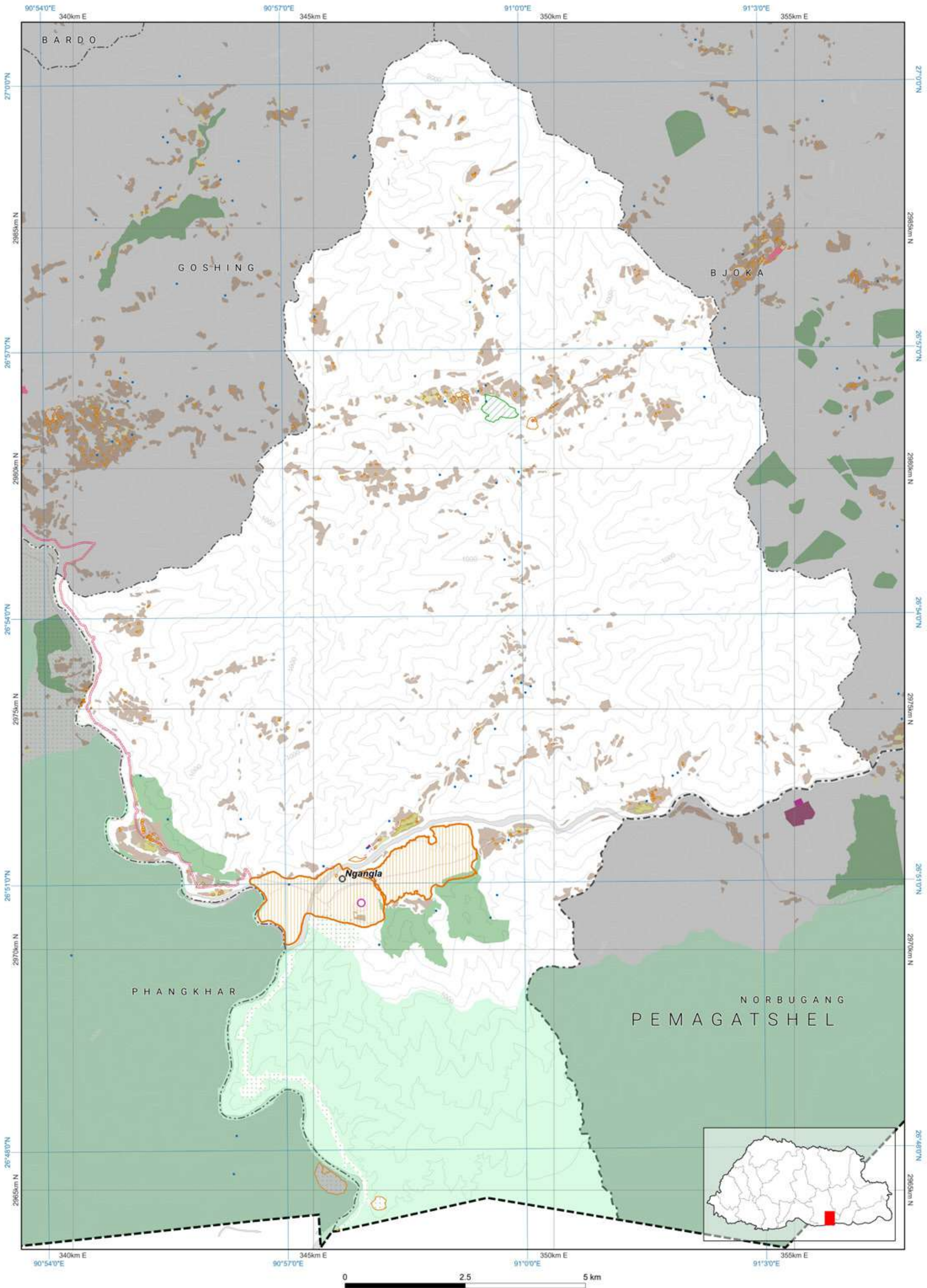
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Department of Air Transport Ministry of Infrastructure and Transport
Department of Human Settlement Ministry of Infrastructure and Transport
Department of Surface Transport Ministry of Infrastructure and Transport
National Land Commission Secretariat

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			Mean Household size
Ngangla	1,127	1,129	2,256	99.8	27.0	445
Panbang Town	415	385	800	107.8	12.5	178

Zhemgang: Ngangla

National Land Use Zoning 2023



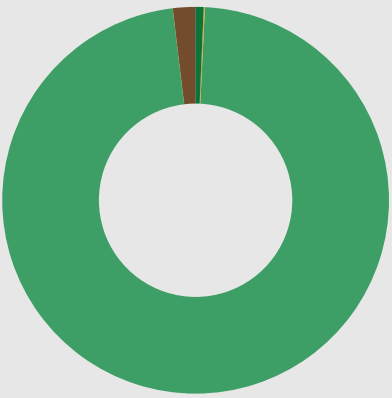
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### Zone Area

Gewog	Phangkhar
Gewog code	2006
Gewog area	132801.509
Zone	Area
Agriculture	2590.921
Cultural Heritage	2.367
Industrial	0.301
NCA	132641.94
Rangeland	0
Rural Settlement	139.074
SFMA	908.917
Urban	0.06



All areas are in Acres.

■ Agriculture  
■ Cultural Heritage  
■ Industrial  
■ Nature Conservation Area  
■ Rangeland  
■ Rural Settlement  
■ Sustainable Forest Management Area  
■ Urban

### Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	908.917	0.00	0	0	0	0	0
NCA	908.917	0	2,586.40	0.06	2,367	0.301	138.012	0
Agriculture	0.00	2,586.40	0	0	0	0	0	0
Urban	0.00	0.06	0	0	0	0	0	0
Culture	0.00	2.367	0	0	0	0	0	0
Industrial	0.00	0.301	0	0	0	0	0	0
Rural Settlement	0.00	138.012	0	0	0	0	0	0
Rangeland	0.00	0	0	0	0	0	0	0

### RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	1.705	107.242	24.197	0	0	0	0.497	0
Road	0	35.862	3.274	0	0	0	1.824	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

### RoW / Buffer Area

Buffer Zone	Area
Transmission Line	110.279
Road	38.581
Flood Hazard	0
Flight Funnel	0
Heritage	0



■ Transmission Line  
■ Road  
■ Flood Hazard  
■ Flight Funnel  
■ Heritage

### Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Phangkhar	596	568	1,164	104.9	30.4	287

### Data Ownership

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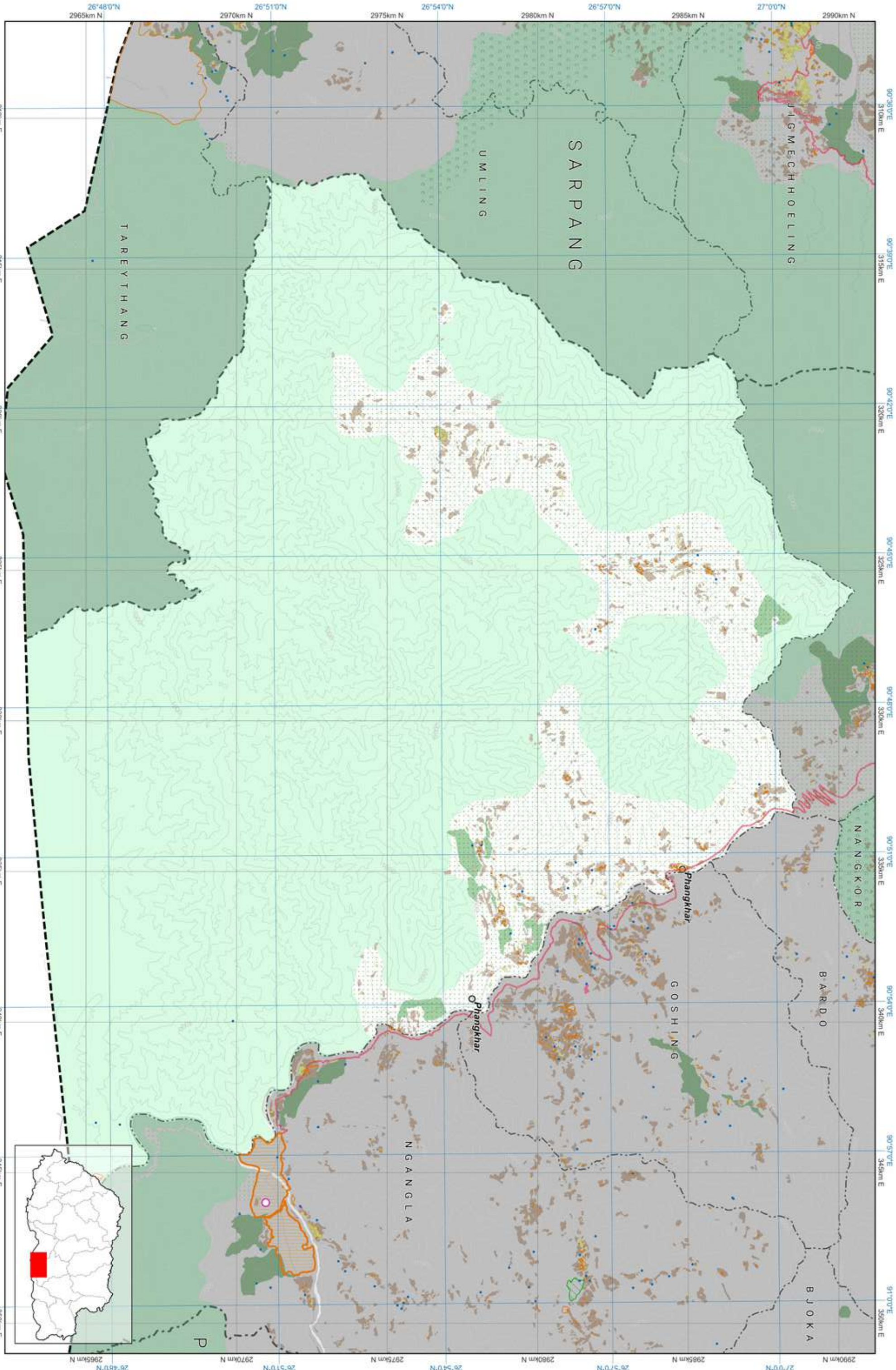
### Map Legend

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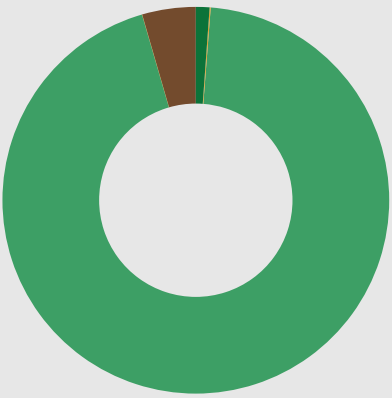




Zone Area

Gewog	Shingkhar
Gewog code	2007
Gewog area	76052.026

Zone	Area
Agriculture	2813.976
Cultural Heritage	10.338
Industrial	0.25
NCA	59219.31
Rangeland	0
Rural Settlement	59.05
SFMA	712.655
Urban	0



- All areas are in Acres.
- Agriculture
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  - Industrial
  - Nature Conservation Area
  - Rangeland
  - Rural Settlement
  - Sustainable Forest Management Area
  - Urban

Zone Conflict

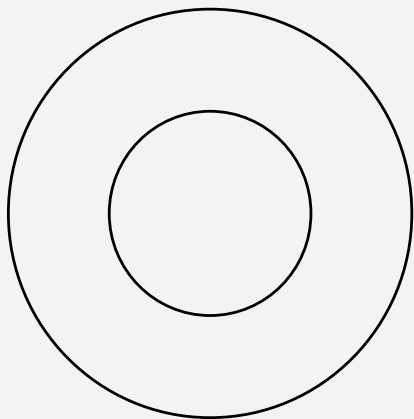
	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	712.655	0.00	0	0	0	0	0
NCA	712.655	0	926.54	0	4.293	0.25	15.279	0
Agriculture	0.00	926.54	0	0	0	0	0	0
Urban	0	0	0	0	0	0	0	0
Culture	0	4.293	0	0	0	0	0	0
Industrial	0	0.25	0	0	0	0	0	0
Rural Settlement	0	15.279	0	0	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

RoW / Buffer Area

Buffer Zone	Area
Transmission Line	0
Road	0
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

Demographic Table

Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Shingkhar	676	600	1,276	112.7	61.5	319

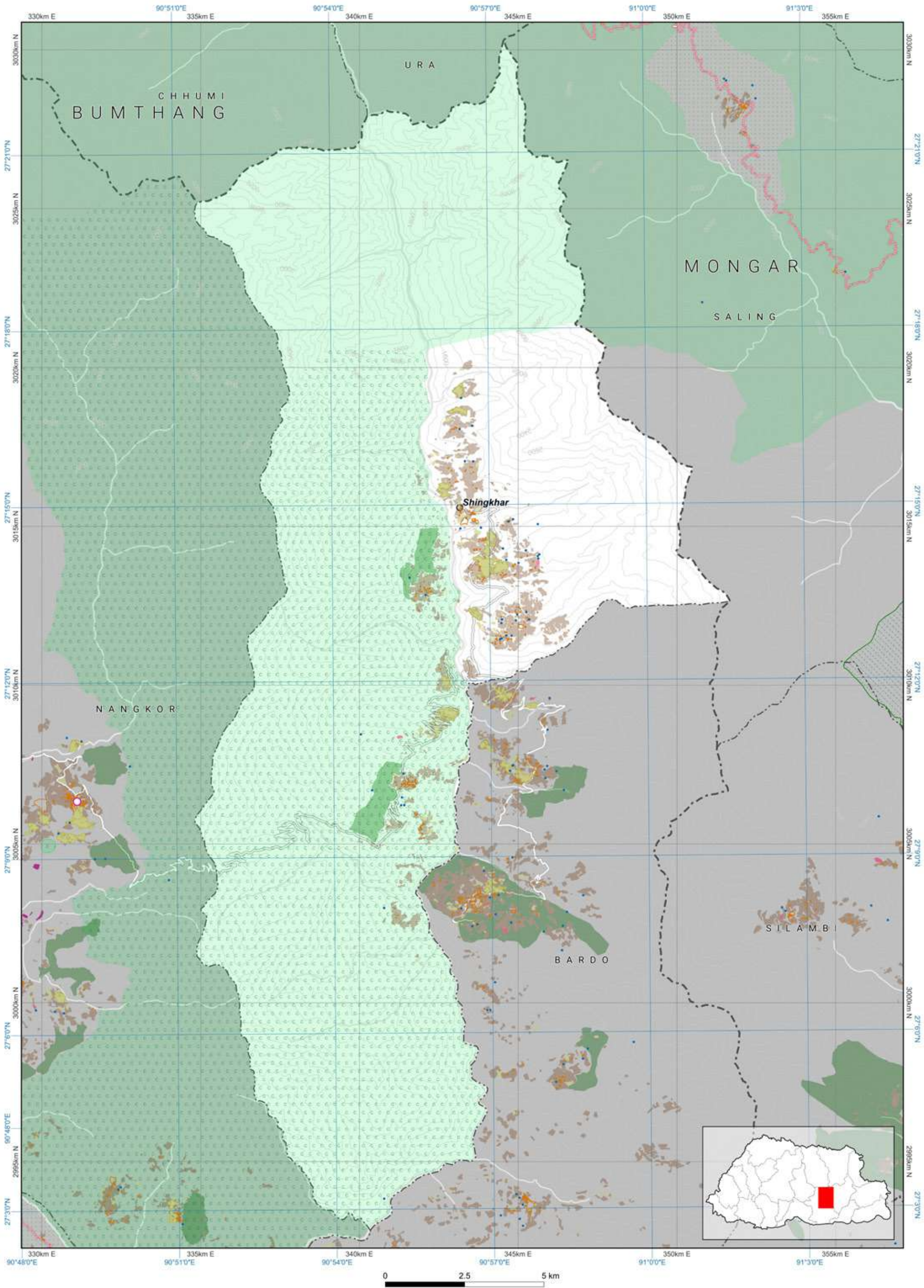
Data Ownership

Data Owner of the Map Content
Department of Agriculture Ministry of Agriculture and Livestock
Department of Forests and Park Services Ministry of Energy and Natural Resources
Department of Water Ministry of Energy and Natural Resources
National Land Commission Secretariat

Map Legend

National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone
- Nature Conservation Area
  - Protected Area
    - Core Zone
    - Transition Zone
    - Buffer Zone
    - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site
- Hazard and Risk
  - Rain Induced Flood
  - Glacier Lake Outburst Flood
  - Right Of Way / Buffer
- Heritage
  - Heritage
  - Road
  - Powerlines
  - Flight Funnel
- Other Effective Area-based Conservation Measures
  - Key Biodiversity Area
  - High Conservation Value
- Rangeland
  - Tsamdro
- Significant Watershed
  - Potential Recharge Area
  - Payment for Ecosystem Services
  - Water Sources
- Industrial
  - Manufacturing and Production
  - Service
  - Existing mines
  - Airport
  - Helipad
  - Hydro Power Plants
  - Hydro Power Waterways
- Basemap
  - Boundaries
    - International
    - Dzongkhag
    - Gewog
  - Rivers
    - Main river
    - Perennial
  - Terrain
    - Contour
  - Roads for different map scales
    - Highway 300k
    - Highway 50k
    - Highway 25k
    - Highway 5k
    - Dzongkhag 50k
    - Dzongkhag 25k
    - Dzongkhag 5k
    - Thromde 50k
    - Thromde 25k
    - Thromde 5k
    - Access 5k
    - Industrial 5k
    - Farm 5k



Disclaimer: This map, designed by NLCS, is an essential component of the limited edition of NLUZ Baseline report 2023 and should be used along with the report. More specific information on the data is available from the rightful owner listed on the opposite page.

The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.

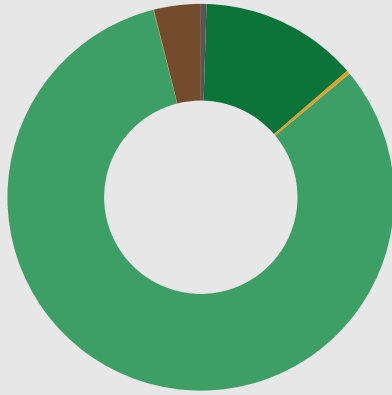


TRONG

## Zone Area

Gewog	Trong
Gewog code	2008
Gewog area	89462.509

Zone	Area
Agriculture	3399.585
Cultural Heritage	27.682
Industrial	16.835
NCA	71458.786
Rangeland	0
Rural Settlement	279.033
SFMA	11470.487
Urban	407.438



- Agriculture
- Cultural Heritage
- Industrial
- Nature Conservation Area
- Rangeland
- Rural Settlement
- Sustainable Forest Management Area
- Urban

All areas are in Acres.

## Zone Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
SFMA	0	4778.756	752.29	273.28	16.532	1.395	18.206	0
NCA	4778.756	0	2,362.21	119.047	5.405	6.444	162.52	0
Agriculture	752.29	2,362.21	0	11.091	0	0	0	0
Urban	273.28	119.047	11.091	0	16.012	0.158	38.387	0
Culture	16.532	5.405	0	16.012	0	0	0	0
Industrial	1.395	6.444	0	0.158	0	0	0	0
Rural Settlement	18.206	162.52	0	38.387	0	0	0	0
Rangeland	0	0	0	0	0	0	0	0

## RoW / Buffer Conflict

	SFMA	NCA	Agriculture	Urban	Culture	Industrial	Rural Settlement	Rangeland
Transmission Line	69.167	459.871	77.443	3.854	0	0	2.475	0
Road	185.572	522.963	41.644	0	0.182	0.103	5.071	0
Flood Hazard Zone	0	0	0	0	0	0	0	0
Flight Funnel	0	0	0	0	0	0	0	0
Heritage	0	0	0	0	0	0	0	0

## RoW / Buffer Area

Buffer Zone	Area
Transmission Line	736.633
Road	971.908
Flood Hazard	0
Flight Funnel	0
Heritage	0



- Transmission Line
- Road
- Flood Hazard
- Flight Funnel
- Heritage

## Map Legend

### National Land Use Zoning

- Agricultural Land
  - Kamzhing
  - Protected Chhuzhing
  - Regulated Chhuzhing
  - Lease Land
- Rural Settlement
  - Residential Land
  - Institutional Land
- Sustainable Forest Management Area
  - Forest Management Unit
  - Community Forest
- Cultural Heritage
  - Religious Sites
  - Heritage Village
  - Heritage Conservation Zone
- Urban
  - Urban Zone

### Nature Conservation Area

- Protected Area
  - Core Zone
  - Transition Zone
  - Buffer Zone
  - Multi Use Zone
  - Biological Corridor / Botanical Park
- Wetland
  - Ramsar Site

### Hazard and Risk

- Rain Induced Flood
- Glacier Lake Outburst Flood
- Right Of Way / Buffer
- Heritage
- Road
- Powerlines
- Flight Funnel

### Other Effective Area-based Conservation Measures

- Key Biodiversity Area
- High Conservation Value

- Rangeland
  - Tsamdro

### Significant Watershed

- Potential Recharge Area
- Payment for Ecosystem Services
- Water Sources

### Industrial

- Manufacturing and Production
- Service
- Existing mines
- Airport
- Helipad
- Hydro Power Plants
- Hydro Power Waterways

### Basemap

#### Boundaries

- International
- Dzongkhag
- Gewog

#### Rivers

- Main river
- Perennial

#### Terrain

- Contour

#### Roads for different map scales

- Highway 300k
- Highway 50k
- Highway 25k
- Highway 5k
- Dzongkhag 50k
- Dzongkhag 25k
- Dzongkhag 5k
- Thromde 50k
- Thromde 25k
- Thromde 5k
- Access 5k
- Industrial 5k
- Farm 5k

## Data Ownership

### Data Owner of the Map Content

Bhutan Power Corporation Limited  
Druk Holding and Investment

Department of Agriculture  
Ministry of Agriculture and Livestock

Department of Energy  
Ministry of Energy and Natural Resources

Department of Forests and Park Services  
Ministry of Energy and Natural Resources

Department of Water  
Ministry of Energy and Natural Resources

Department of Culture and Dzongkha Development  
Ministry of Home Affairs

Department of Human Settlement  
Ministry of Infrastructure and Transport

Department of Surface Transport  
Ministry of Infrastructure and Transport

National Land Commission Secretariat

## Demographic Table

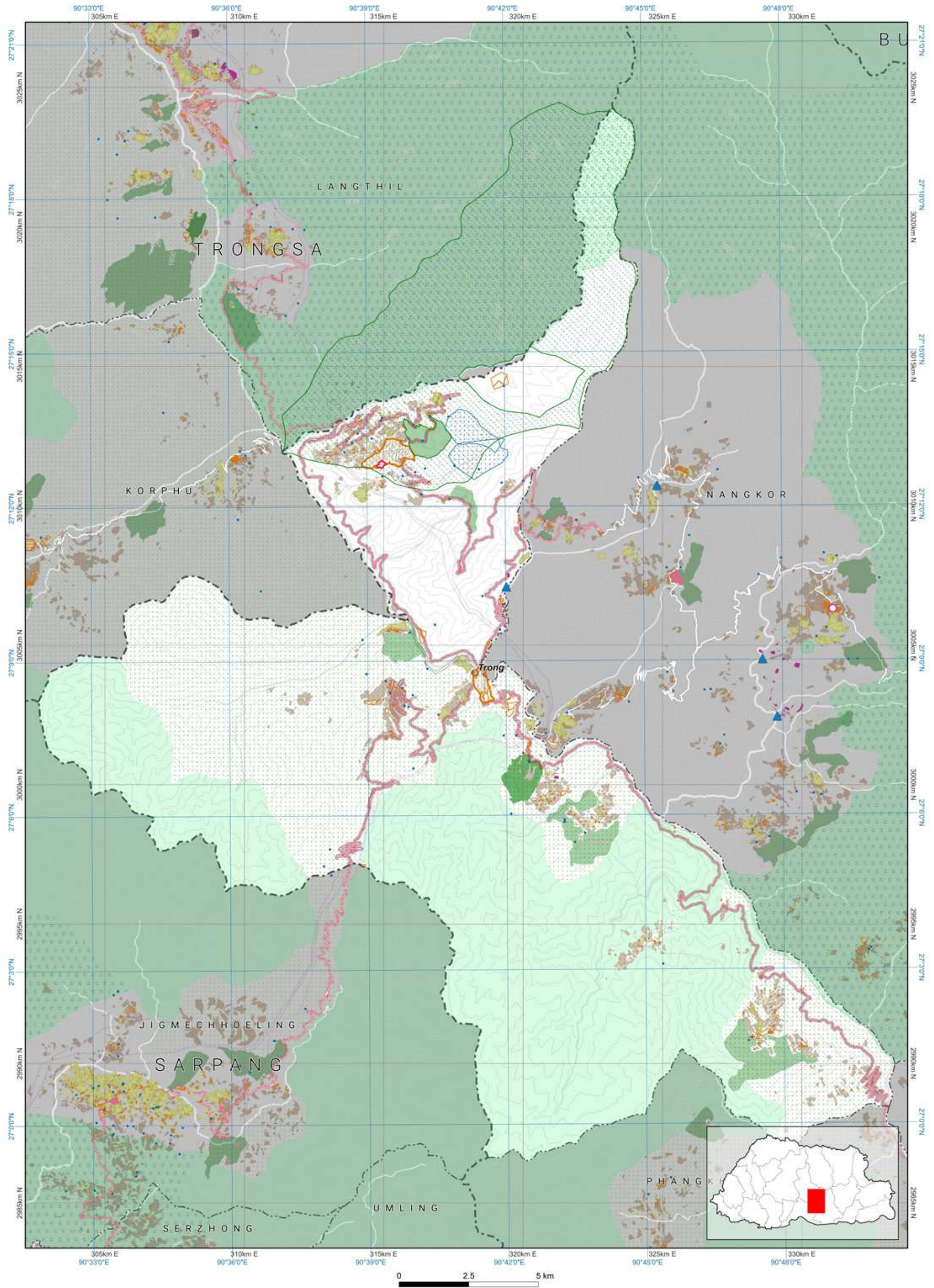
Gewog wise Key Demographic Indicators, 2017 ( Source: NSB, PHCB 2017)						
Gewog / Throm	Total Population			Sex ratio	Aging Index	Number of household
	Male	Female	Total			
Trong	1,546	1,422	2,968	108.7	28.4	584
Tingtibi Town	289	245	534	118	11.7	137
Zhemgang Town	1,153	1,024	2,177	112.6	14.1	422

### Disclaimer:

The demographic statistics provided in the table above for Tingtibi Town encompass not only the area falling under the Trong gewog but also include the demographic statistics of the town area falling under the Nangkor gewog. The same statistics for Tingtibi town can be found under the Nangkor gewog.

Zhemgang: Trong

## National Land Use Zoning 2023



Disclaimer: This map, designed by NLCS, is an essential component of the limited edition of NLUZ Baseline report 2023 and should be used along with the report. More specific information on the data is available from the rightful owner listed on the opposite page.

The scale of this map is determined by the gewog size. If required, fixed-scale maps of the required size can be obtained from NLCS upon request. The map is compiled from the data of multiple agencies.





**PART III**

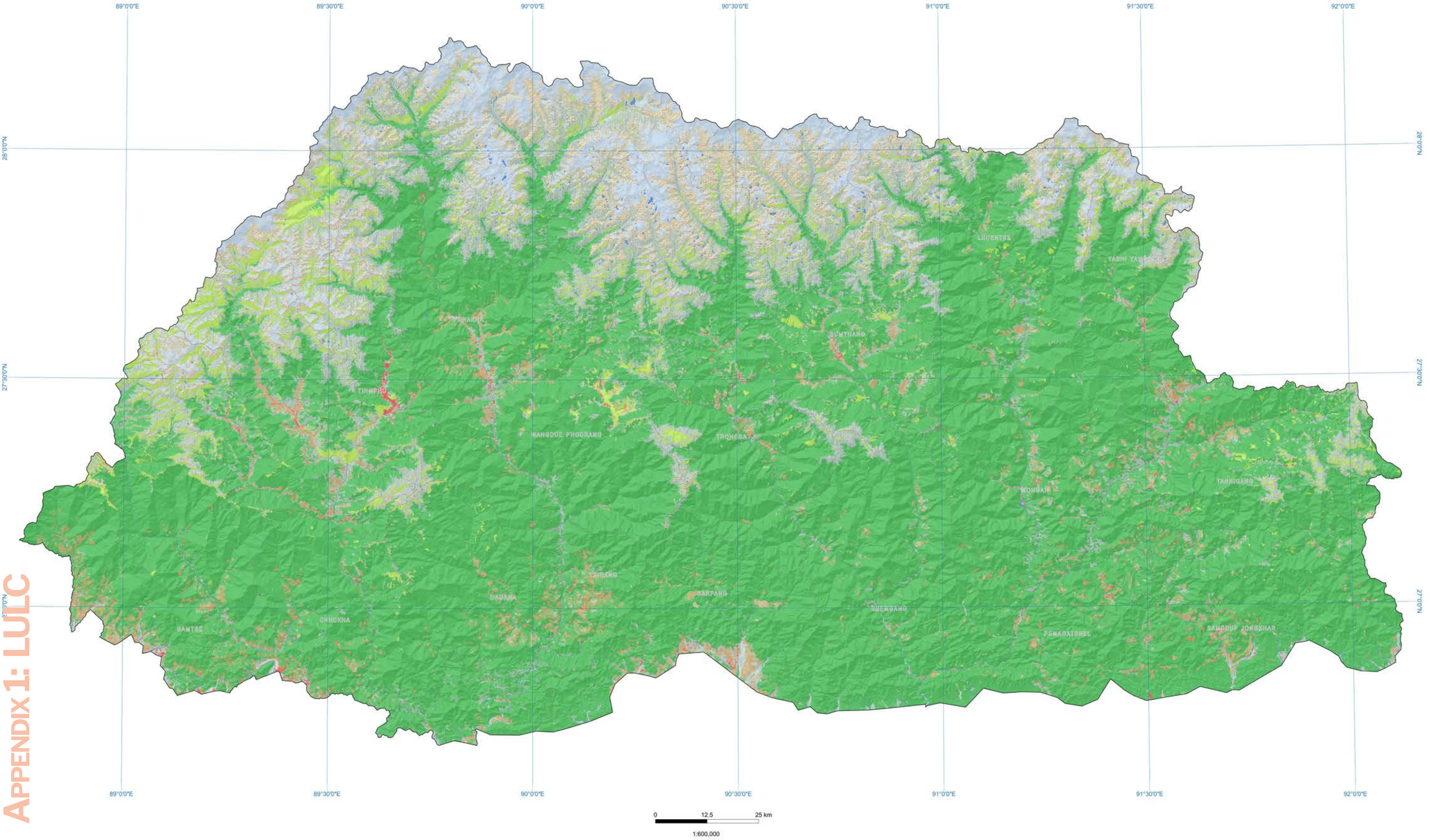
**APPENDIX**

**AND**

**REFERENCES**



Land Use Land Cover



APPENDIX 1: LULC



- |                     |                     |                  |                     |
|---------------------|---------------------|------------------|---------------------|
| □ Dzongkhag centers | ■ forest            | ■ alpine scrubs  | ■ waterbodies       |
| ■ builtup           | ■ meadows           | ■ landslides     | ■ snow and glaciers |
| ■ non-built-up      | ■ agricultural land | ■ rocky outcrops | ■ sandy bank        |
|                     | ■ shrubs            | ■ moraines       |                     |

**Information of LULC map**  
The information displayed on the map originates from the *Sentinel-2 satellite image* captured between November and December 2020, with a spatial resolution of 10 meters. Prior to visualization, the data underwent pre-processing in the *Sen2Cor processor*, a part of the *Sentinels Application Platform (SNAP)*. This pre-processing involved converting the Level-1C radiance data (top-of-atmosphere) to Level-2A surface reflectance data (bottom-of-atmosphere). The processing, analysis, and visualization of the data were carried out using *eCognition v9.5*, *ERDAS IMAGINE*, and *QGIS* software.

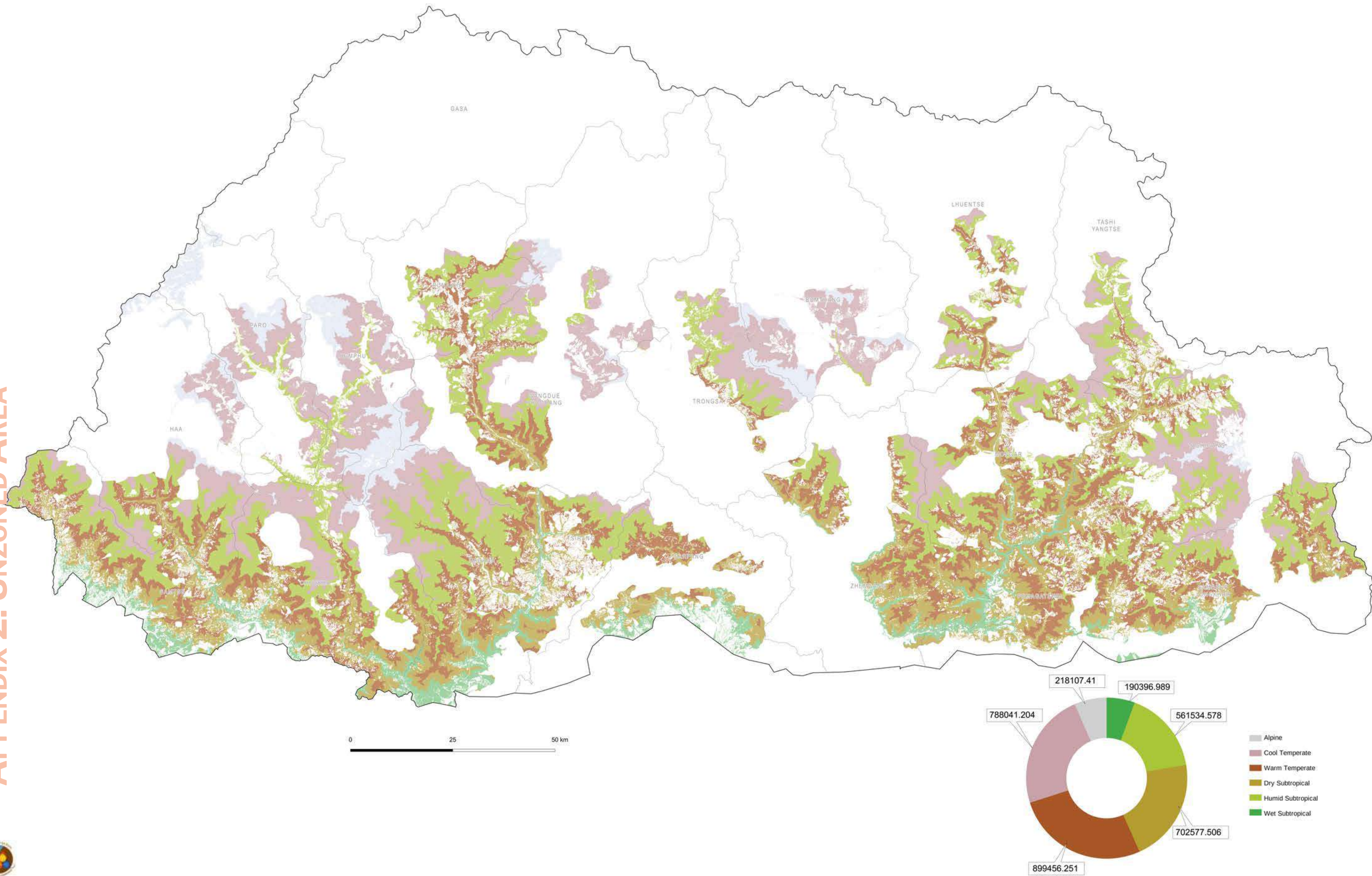
The images are acquired in the *WGS 1984 UTM Zone 45N and 46N* coordinate systems, but they were re-projected to the *DRUKREF03 Bhutan National Grid* coordinate systems. It is essential to note that the boundaries and names depicted on this map are based on information provided by the respective responsible agency, and they maintain the sole source of truth for this data. The geographic information contained within this map does not hold any legal connection to laws, rules, or regulations concerning land use or land ownership. *NLCS* disclaims any liability for errors that may arise due to user interaction with this map.





Unzoned Area

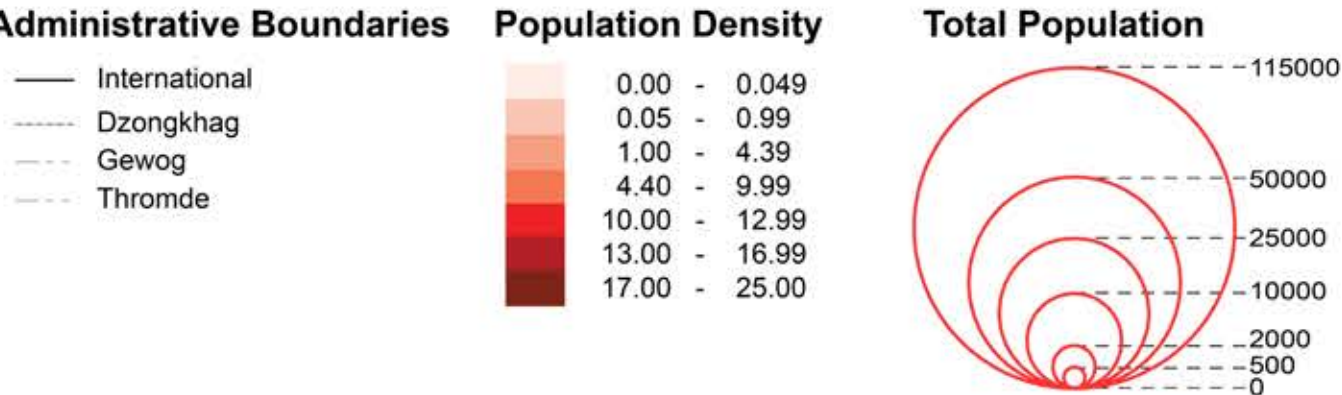
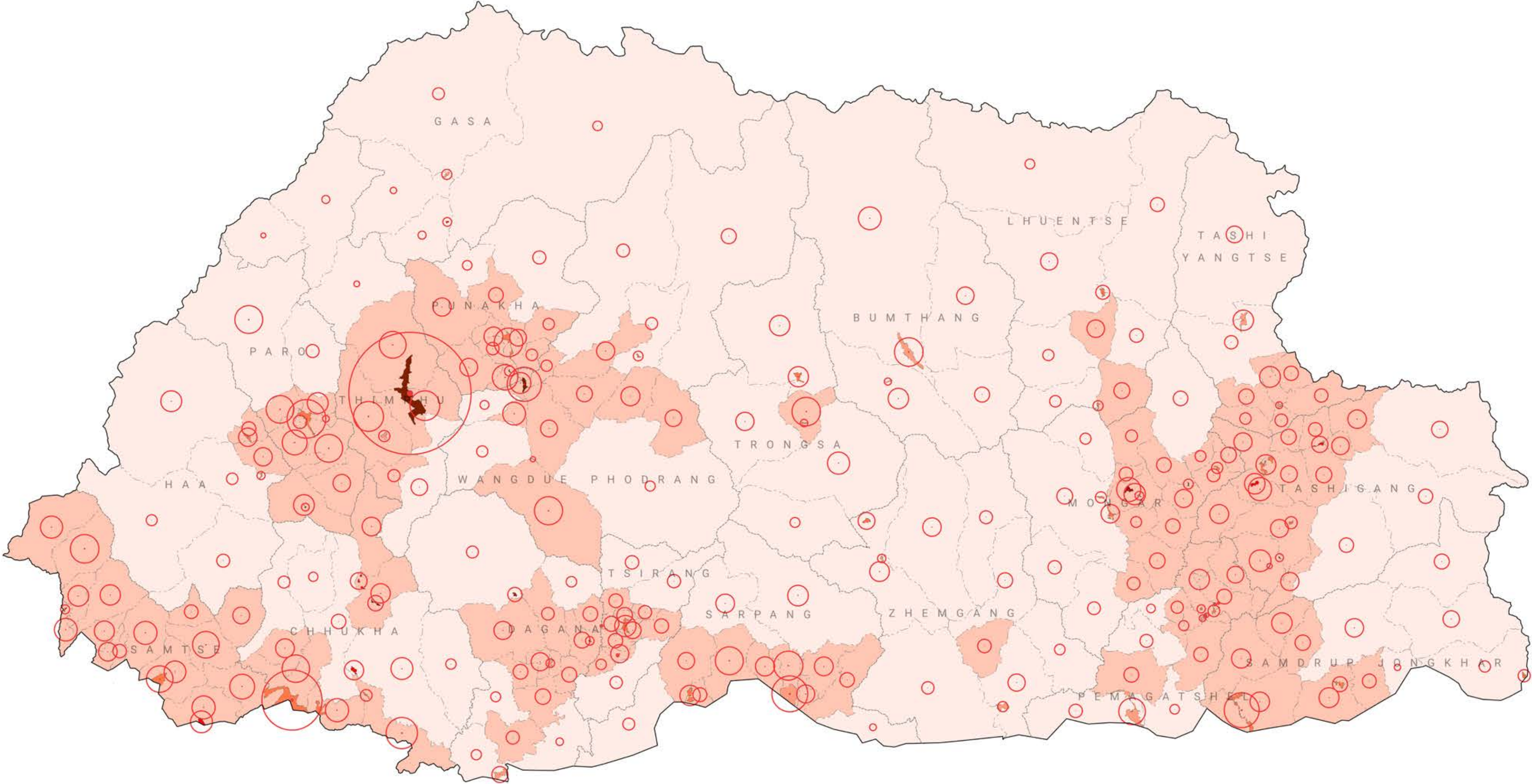
APPENDIX 2: UNZONED AREA







# Demography of Bhutan



Source: Population & Housing Census of Bhutan, 2017 National Report  
National Statistics Bureau of Bhutan  
Royal Government of Bhutan  
PO Box No 338  
Thimphu, Bhutan  
[www.nsb.gov.bt](http://www.nsb.gov.bt)

Note: The demography map of Bhutan is prepared by NLUZ TWG, NLCS using the data produced by NSB.





Metadata												
Data Identification Information				Contact Information	Data Quality	Date Information		Mode of Acquisition	Spatial Reference System		Distribution	
SI No	Title	Abstract	Status	Custodian	Point of Contact	Horizontal Accuracy (m)	Acquisition Date	Last Update	Instrument/ Method	Original	Transformed	Data Format
1	Cadastral Reclassified	Extracted ownership and land type based on the cadastral map and thram DB. Generalised and reclassified the land type to land use with reference to other available data and satellite images. The data serve as a reference for all spatial planning. Ground truthing is required for some of the reclassified land use.	Continuously updated	DoSAM, NLCS	tpelden@n-lcs.gov.bt	0.1	2008 onwards	19/01/2023	ToS/RTK	DrukRef 03	DrukRef 03	Shapefile
2	High Conservation Value	The HCV National Interpretation contributes to consolidating stakeholders' collaborations and cooperation in landscape bringing about a common consensus in making priorities. This forms an integrated component of implementing the NLUZ by providing the data to identify priority areas for conservation based on the probabilities of HCV presence and likely threats to these values.	Completed ( for DoFPS areas/d-zongkhags under IKI living project)			Not applicable as data was processed using other Fundamental data.	2023	2023	HCV screening and field validation	DrukRef 03	DrukRef 03	Shapefile
3	Prospective Mineral Zone and Mining Area	This zone is identified as having the potential to contain economically viable mineral deposits and an area that is covered under a mining lease. Therefore, any development of mining activity in the future would be within this zone only.	Continuously updated	DGM	namgaydor-ji@moenr.gov.bt	<35	Since 1961	01/06/2022	TS,RTK, handheld GPS, Back Bearing	GCS Everest, WGS 1984, DrukRef 03	DrukRef03	Shapefile
4	Payment for Ecosystem Service(PES)	It is a "pay- for - performance" approach to financing the conservation of natural resources whereby Ecosystem Service (ES) providers receive payments [economic incentives] from ES beneficiaries/users that are conditional on specific conservation performance. The common types of PES schemes are: •Water-shed services: mainly on the protection and conservation of water resources for drinking, irrigation and hydropower generation; • Biodiversity protection: PES for biodiversity protection (e.g., protection of habitats for rare species like Black-necked Crane). • Scenic/landscape beauty: PES scheme on scenic/landscape beauty which is potential for ecotourism. • Carbon sequestration: PES for regulating services such as carbon sequestration. • Bundled Ecosystem services: Sometimes two or more ES can be combined and transacted as a package (e.g., biodiversity protection with scenic beauty or watershed services with carbon sequestration).	Continuously updated	DoW	dgyalt-shen@moenr.gov.bt	5-10	2010	2023	Delineated in Google Earth Pro	DrukRef03	DrukRef03	Shapefile
5	Tsamdro	Registered rangelands (either as TUT or on lease) which are actively used by highlanders for grazing purpose	Continuously updated	NLCS	sp huntsho@n-lcs.gov.bt	10	2020	2022	Tsamdro Mobile App	WGS84		Shapefile

Metadata													
Data Identification Information				Contact Information	Data Quality	Date Information		Mode of Acquisition	Spatial Reference System		Distribution		
SI No	Title	Abstract	Status	Custodian	Point of Contact	Horizontal Accuracy (m)	Acquisition Date	Last Update	Instrument/ Method	Original	Transformed	Data Format	
6	Potential Recharge Area	The potential recharge areas (PRA) were identified in some of the drying water sources for intervention to revive and maintain sustainable flow of spring used for drinking and irrigation purposes. These polygons are delineated in a Google Earth Pro after thorough study on Hydrogeology and the analysis of the 3D conceptual layout of the study sites which are drawn using CoralDraw software and the combination of Google Earth Pro. These areas are critical since the aquifers are located within it. Since the science is quite new to the country the identification of PRA has just started in recent years. The identification and mapping will be a continuous process and will be done on a need basis.	Continuously updated	DoW	dgyalt-shen@moenr.gov.bt	5-10	2018	2023	Delineated in a Google Earth Pro	WGS84	WGS84	Shapefile	
7	Water sources	These are the point data recorded above the water tapping point, inventory of water sources currently used for drinking, irrigation and commercial purposes by our people in all the 20 Dzongkhags.	Continuously updated	DoW	dgyalt-shen@moenr.gov.bt	<10	2021	2023	GPS	DrukRef03	DrukRef 03	Shapefile	
8	Existing and Under Construction Hydropower Plants	Contains the point data of the dam and Powerhouse locations and line data of the tunnels	Continuously updated	DoE	utsher-ing@moenr.gov.bt	10	2012	22/06/2023	Total station, GNSS, DGPS, Satellite imageries, Google earth Handheld GPS	WGS 84	DrukRef03	Shapefile	
9	Mini Hydel	Contains the point data of mini hydel	Completed	BPC	utsher-ing@moenr.gov.bt	10	2003	30/12/2022	Handheld GPS	WGS 84	DrukRef03	Shapefile	
10	PowerLine and RoW Buffer	Contains transmission lines of 400kv, 220kv, 132kv & 66kv lines and the RoW required for different rated lines	Continuously updated	DoE	utsher-ing@moenr.gov.bt	10	2016	2019	DEM, Google Earth and Satellite Imageries	WGS 84	DrukRef03		
11	Power System Master Plan 2040 sites	The 155 hydropower potential sites	Completed	DoE	utsher-ing@moenr.gov.bt	10	2019	2019	Digitized from 1:50000 topo base map	WGS 84	DrukRef03		
12	Urban_Boundary	Thromdes and Boundaries 2nd July 2010 has been used as the basis of the Zone. However, there are few settlements which have expanded their boundaries, and also new planned settlements that have been approved and implemented on the ground too. For these settlements, their latest boundaries have been used. In the perspective zones all the planning boundaries have been used.	On-going	DHS	ds-ingye@moit.gov.bt	<35	2010			DrukRef 03	DrukRef03		





Metadata												
Data Identification Information				Contact Information		Data Quality	Date Information		Mode of Acquisition	Spatial Reference System		Distribution
SI No	Title	Abstract	Status	Custodian	Point of Contact	Horizontal Accuracy (m)	Acquisition Date	Last Update	Instrument/ Method	Original	Transformed	Data Format
13	Road and 50 ft. Buffer (National Highways),	Extracted from the Road Inventory of the department. National highways inventory is given by DoST and other types of roads are included from NLC digitization. The surveys were done from 2016 till 2019 using GPS mounted on the survey vehicle which posed multiple challenges. Accurate data from the ROMDAS survey could be shared in coming years. Accuracy of the buffer of 50 ft. is compromised and not be considered fully from this zonation map and Physical verification will be required.	Completed	DoST	thinleywangc-huk@moit.gov-.bt, drchhet-ri@moit.gov.bt	5-10	2016 Onwards. (October to December)	2023 yet to be completed	Dashcam is mounted on the windscreen of a vehicle to record the view of the road pavement condition which has its time reference tallied with the GPS logger used for collecting coordinates. The video data is assessed and then processed in excel & GIS. From 2022, ROMDAS (Road Measure-ment and Data Acquisition System, 2023) is used.	WGS84	DrukRef03	Shapefile
14	Protected Chhuzhing	Contiguous cluster of chhuzhing plots within 10 meter distance from each other with a combined total area of 10 acres and above located at an altitude of 2500 meters or below.	Completed	DoA	twangdi@-moal.gov.bt, tshetendor-ji08@gmail.com dtashi@-moaf.gov.bt	0.1	February 2023	June 2023	Processed by buffering and clustering reclassified cadastral chhuzhing data provided by NLCs.	DrukRef 03	DrukRef 03	Shapefile
15	Regulated Chhuzhing	Chhuzhings apart from protected chhuzhing with a cluster area less than 10 acres or located above an altitude of 2500 meters	Completed	DoA	twangdi@-moal.gov.bt, tshetendor-ji08@gmail.com dtashi@-moaf.gov.bt	0.1	February 2023	June 2023	Based on the cadastral data from NLCs.	DrukRef 03	DrukRef 03	Shapefile
16	Religious sites	Contains 65 religious sites	Completed	DoCDD	sangaycho-den6005@g-mail.com ysamdrup@mo-ha.gov.bt	3-5	4/1/2023	22/6/23	Acquired from cadastral map and digitized.	DrukRef 03,WGS 84	DrukRef 03, WGS 84	Shapefile
17	NyeAtlas	NyeAtlas data contains the spatial location and attribute data of the heritage/religious sites in the country.	Completed	DoSAM	ctshering@n-lcs.gov.bt	<10	2016	2018	Handheld GPS ( Trimble GoXT)	DrukRef03	DrukRef03	Shapefile
18	Geographical Names	Contains spatial information with standardized names for the dzongkhag, gewog, chiwog, and villages of Bhutan.	On-going	DoSAM	ctshering@n-lcs.gov.bt	<10	2017	2023	Handheld GPS and Google earth	DrukRef03	DrukRef03	Shapefile
19	DEM/SRTM	CartoDEM is developed by Indian Space Research Organization (ISRO). It is derived from the Cartosat-1 stereo payload and seamless homogenous DEM is produced by TIN modeling of irregular DEM, interpretation for regular DEM generation and automatic strip to strip mosaicing	Completed	NLCS	pwangda@n-lcs.gov.bt	10m			Satellite Imagery	WGS 1984	DrukRef03	Shapefile
20	Contour	The contour layer contains the elevation information covering the entire Bhutan with a 40 m contour interval generated from 50K Topo.	Completed	NLCS	pwangda@n-lcs.gov.bt	40m	1991	NA	Topo basemap	DrukRef03	DrukRef03	Shapefile
21	Heritage Village	Contains one heritage village of Nabji.	Completed	DoCDD	sangaycho-den6005@g-mail.com ysamdrup@mo-ha.gov.bt	3-5	April,2023	22/6/23	Acquired from cadastral map and digitized.	Drukref03,W GS 84	DrukRef 03, WGS 84	Shapefile

Metadata												
Data Identification Information				Contact Information		Data Quality	Date Information		Mode of Acquisition	Spatial Reference System		Distribution
SI No	Title	Abstract	Status	Custodian	Point of Contact	Horizontal Accuracy (m)	Acquisition Date	Last Update	Instrument/ Method	Original	Transformed	Data Format
22	Heritage conservation zone	Contains 65 conserva-tion zones and buffer zones of Registered Heritage sites which were prepared aligning the ownership and land type based on the cadastral map. Buffer zone for Changangkha has been provided with a scientific approach but the buffer zone for other heritage sites is still under discussion.	Completed	DoCDD	sangaycho-den6005@g-mail.com ysamdrup@mo-ha.gov.bt	3-5	April, 2023	22/6/23	Acquired from cadastral map and digitized.	Drukref03,W GS 84	DukRef 03, WGS 84	Shapefile
23	Industrial Parks (IP)	Dol, MolCE is envisaged to promote balanced regional development and enhance growth of the rural economy to have socio-economic activity in cost effective manner by promoting manufac-turing and production industries. IP will further create favourable environments for the private sector develop-ment through the provision of basic infrastructures.	Continuously updated	Dol	ugyendor-ji1@moice.gov-.bt/ kchoki@moice.gov.bt	0.1	NLCS shared data to Dol since 2016	Fix legal boundary	TOS carried out by NLCS	Drukref03	Drukref03	Shapefile
24	Proposed Potential Industrial Park	These are the potential sites to promote industries in future as and when needed. These sites are identified in consensus with a multi sectoral team composed of members from relevant department/agen-cies.Some of proposed sites in Samtse are Upper Dhamdum (including jersey farm), Norbugang and Daurpani.	On-going	Dol	ugyendor-ji1@moice.gov-.bt/ kchoki@moice.gov.bt	0.1	2023	2023	Boundary survey with help of RTK was carried out by Land Section of Samtse Dzongkhag and LMD/DoLAM/N-LCS	Drukref03	Drukref03	Shapefile
25	Glacial Lake Outburst Flood/ Rainstorm Flood Hazard Map	This flood hazard map has been developed using Hydrodynamic models like HEC RAS. Such models are developed in Amo Chhu, Thim Chhu, Punatsangchhu, Chamkhar Chhu and Mangde Chhu river basin. However, some of earlier developed inundation/ hazard maps are currently being reviewed in collaboration with JICA. So a more recent and updated hazard map has been provided here, while a similar map for other river basins will be provided once updated with the recent version.	On-going	NCHM	hws-d@nchm.gov.bt	0.1	2021	2021	Used Satellite Image and Image acqaired through UAVs	DrukRef03	Drukref03	Shapefile
26	Glacier Map of Bhutan	Bhutan glacier Inventory (BGI) has been published using Sentinel-2 image	Completed	NCHM	csd@nchm.gov-.bt	0.2	2021	2021	Mapping Carried out using Sentinel-2 Imagery	WGS84	Drukref03	Shapefile
27	Glacial Lake Map of Bhutan	Bhutan glacial Lake Inventory (BGI) has been published using Sentinel-2 image	Completed	NCHM	csd@nchm.gov-.bt	0.2	2021	2021	Mapping Carried out using Sentinel-2 Imagery	WGS85	Drukref03	Shapefile





Metadata												
Data Identification Information				Contact Information		Data Quality	Date Information		Mode of Acquisition	Spatial Reference System		Distribution
SI No	Title	Abstract	Status	Custodian	Point of Contact	Horizontal Accuracy (m)	Acquisition Date	Last Update	Instrument/ Method	Original	Transformed	Data Format
28	Forest Management Unit	The objective of the spatial organization of the FMU is to sub-divide the FMU in order to the preparation and implementation of annual activities. Delineation of Bound-ary, Blocks, compart-ment and sub-compart-ments is carried out using Google earth pro and QGIS by navigating to the area of interest and permanent natural features.	Completed	DoFPS	ara-i@moenr.gov.bt	5-10	1977	2023	Delineated on topographic map and google earth following natural features.	Drukref03	Drukref03	Shapefile
29	Key Biodiversity Area	KBAs are home to critical populations of the world's threatened species. By mapping and protecting KBAs, we can ensure the conservation of the largest and most important populations of these species – and give them a real chance of survival. Identifying KBAs involves taking a global view of species conservation. The conservation sites are identified based on the rarity of species in their own country, even if the species is widespread in other countries. Applying the KBA criteria ensures that the global population of a species is assessed and the most important populations for that species as a whole are identified, including maintaining the genetic variation needed to adapt to a changing planet	Completed	DoFPS	ara-i@moenr.gov.bt	10	2023	2023	Acquired using handheld GPS and SW Map	Drukref03	DrukRef03	Shapefile
30	Ramsar Site	These wetlands are wetlands of Internation-al importance. It was named after the city of Ramsar in Iran, where the convention was signed in 1971.	Completed	DoW	dgyalt-shen@moenr.gov.bt.	5-10	2013	2015	GPS	DrukRef03	DrukRef03	Shapefile
31	Flood Hazard map	Hazard may be defined as a source of potential harm or a condition that may cause loss of life or initiate any failure to the natural, modified or human systems		DHS	ds-ingye@moit.gov.bt				Available data compiled from the official publication of the concerned agency. Raster files were vectorized.		DrukRef03	Shapefile
32	Helicopter Landing Spots	Location of helicopter landing sites which have been validated against movement records obtained from Druk Air-Helicopter Services	Continuously updated	DoAT	sangaytenzin@doat.gov.bt/n-rinchen@do-at.gov.bt		2023	2023	Captured from Helicopter V2 Tracking System	WGS84	Drukref03	Shapefile
33	Flight Funnel Map for Paro International Airport	Flight funnel map prepared by the BCAA & DHS, MoIT for the protection of the flight funnel area from uncontrolled construc-tion.	Completed	DoAT	sangaytenzin@doat.gov.bt/n-rinchen@do-at.gov.bt		2021	2022	GNSS RTK & ToS by DHS Surveyors	Drukref03	Drukref03	Shapefile







Permissibility in Zones/Buffers				
Zones/ Buffers	Permissible	Non-permissible	Legal References	Agencies Responsible
Heritage Conservation Zone	Any works only after submission of an application to the Dzongkhag Administration or Dzongkhag Thromde Administration in accordance with the procedures stipulated in the rules and regulations.	Demolition, alteration, extension or renovation of a Registered or Designated Heritage Building, or existing building in the Important Cultural Site, the Registered Archaeological Site, or the conservation zone of a Registered or Designated Heritage Building, unless approved by the Department of Culture.  Collection of archaeological remains from a Registered Archaeological Site.	Draft Cultural Heritage Bill of Bhutan, 2016	Department of Culture and Dzongkha Development.
Heritage Buffer Zone	Development activity in a buffer zone of a Designated Heritage Building or of an Important Cultural Site in compliance with the development control regulations and seeking a development permit from the Dzongkhag Administration or Dzongkhag Thromde Administration.  Maintenance and improvement of a highway, Dzongkhag roads, Farm roads and Thromde roads.	No person shall without approval or without any lawful authority or excuse : (1) Make a ditch or excavate a road; (2) Remove any soil or turf from any part of a road, except for the purpose of maintaining and improving a road; (3) Deposit anything including construction materials whatsoever on a road so as to damage the road; (4) Move or cause to move a self propelled machine or equipment or any machine or equipment having wheels of metal tracks to ply on a carriageway of a road.	Draft Cultural Heritage Bill of Bhutan, 2016	Department of Culture and Dzongkha Development.
Road and Buffer RoW	The Department or a Local Government may in relation to maintenance or improvement of roads, carry out any or all of the following works: (1) Widening of roads or a part of or a section of it; (2) Leveling of roads; (3) Constructing or removing walls, structures, barriers, ducts, etc on the side of roads; (4) Cutting off corners; (5) Roundabouts or T-junction at crossroads or junctions for regulating the movement of traffic; (6) Preventing obstruction to line of sight; (7) Prescribing improvement line for widening streets; (8) Planting of trees, grass verges etc; (9) Lighting of roads or delegating it to a power or electricity authority; (10) Provision of drains on roads and for erection of barriers etc to prevent surface water from flowing on to it or on to private lands; (11) Interfering or carrying out of any works that affect drains, barriers etc; (12) Filling of roadside ditches; (13) Protecting roads against hazards of nature; (14) Diverting watercourses for carrying out improvement works upon issuance of clearance from the National Environment Commission; (15) Any other road maintenance or improvement activity as deemed necessary by the Road Authority.  Plant, retain or maintain trees, shrubs, plants, grass or shrubs upon approval .  (1) Erect flag poles and other structures only outside the carriageway of a road for the purpose of displaying decorations; (2) Make slots in such a road for the purpose of erecting the structures; and (3) Remove any structure erected or slot made in pursuance of paragraph (1) or (2) above	Construction of road humps on any road unless authorized or approved of the Department or the concerned Local Government in accordance with the rules and regulations.  Painting, inscription or affixation of any picture, letter, sign or other mark upon the surface of a road or upon any tree, structure on or in a road unless approved by the Department or a Local Government .  No footway, footpath or walkway of a street shall be damaged or caused to be damaged by or in consequence of any excavation or by carrying out any works on a land adjoining such street.  Obstruction of free passage of traffic along a road, footways, footpaths and walkways.  Erect a structure or a fence, or plant a hedge on a road, footways and footpaths.  Park any vehicle on a carriageway of a road or a street or a part of a road or a street which is not authorized for parking.  Construction of any building/house or any structure within the right of way Construction of a basement under any road or street.  Construct or erect and maintain such channels, gutters or pipes to prevent water from the roof or any other part of the premises from falling on the road or persons using the road.  Quarrying, logging and any other activity to the detriment of a road unless approved	Road Act of Bhutan, 2013 Road Rules and Regulations, 2013	Principal Agency; Department of Surface Transport, MoIT  Supporting Agency; Local Government, Royal Bhutan Police, Bhutan Construction and Transport Authority
Transmission line's RoW	Construction of any structures such as dwellings for human and animal, storage facilities, and any other activities beyond the overhead electrical conductor clearance specified in the Safety Code may be permitted by the Authority on a case-by-case basis.  Agricultural activities such as farming, crop, fruit and fodder cultivation shall be allowed after fulfilling the electrical clearance specified in the Safety Code, and amendments thereof.	Construction of any structures such as dwellings for human and animal, and storage facilities directly below the electrical conductor shall not be allowed unless permitted by the Authority and case-by-case basis	Safety Code (Amendment) 2021  Draft Guidelines on Right of Way for Power Lines	Department of Energy  Electricity Regulatory Authority  Bhutan Power Corporation Limited  National Land Commission Secretariat
Flight Funnel Zone	NA	Construction of any structures shall be subjected to height limitation imposed by the Flight funnel & ICAO requirements	Flight Funnel Map - Paro Int. Airport, Prepared by BCAA & DHS	Paro Dzongkhag, Wangchang Gewog,  Department of Air Transport,  Bhutan Civil Aviation Authority
Protected Chhuzhing	Paddy cultivation during the paddy season and any other crops before and after the season	Conversion to other land use to category	NA	Department of Agriculture
Regulated Chhuzhing	Paddy cultivation (if owners are interested) and other crops	Construction	NA	Department of Agriculture

Permissibility in Zones/Buffers				
Zones/ Buffers	Permissible	Non-permissible	Legal References	Agencies Responsible
PA Core Zones	Scientific research and habitat management	All anthropogenic disturbances including timber extraction and NWFP collection	FNCA 2023, FNCRR 2017, and PA Zonation guideline 2020.	Department of Forest and Park Services
Transition Zones	The protection status of this zone should be at par with that of the core zone with regulated exceptions during seasonal use for the purpose of exercising traditional/legal community rights that shall include but not limited to the following; Cordyceps collection Collection of NWFP Seasonal grazing Use of traditional/ancient trails Seasonal collection of fuelwood	Infrastructure development Timber extraction NWFP collection Quarrying Developmental activities Encroachment and illegal settlements	FNCA 2023, FNCRR 2017, and PA Zonation guideline 2020.	Department of Forest and Park Services
Buffer Zones	Authorized timber extraction of local use Authorized timber extraction and infrastructure development Ecotourism activities and other traditional and cultural practices. These activities will be permitted upon approval from DoFPS	Quarrying, commercial logging and construction of infrastructure without proper permits and approval Poaching or hunting of wildlife, damage or disturbance to cultural and natural heritage, encroachment and illegal settlements.	FNCA 2023, FNCRR 2017, and PA Zonation guideline 2020.	Department of Forest and Park Services
Multiple Use Zones	All permissible activities inside Core, Buffer and Transition Zones including timber extraction, quarrying for rural use by the local inhabitants, and developmental activities such as ecotourism.	Hunting or poaching of wildlife Unauthorized developmental activities.	FNCA 2023, FNCRR 2017, and PA Zonation guideline 2020.	Department of Forest and Park Services
Biological Corridors	All permissible activities under protected areas (Buffer and transition zones)	Hunting and poaching. Unauthorized developmental activities.	FNCRR 2017	Department of Forest and Park Services
Community Forests	Sustainable harvesting of timber and NWFP following approved management plans. Agroforestry and sustainable farming practices that promote soil conservation and biodiversity. Community-based ecotourism activities that generate income for member groups while preserving the forest. Environmental education and awareness programs Community development projects within the forest area	Unauthorized commercial logging Overexploitation or sustainable harvesting of resources Encroachment and illegal settlements Hunting or poaching	FNCA, 2023 & FNCRR 2017, (Amendment 2020-2021)	Department of Forest and Park Services Community Forest Management Group
Forest Management Units (FMU)	Sustainable timber harvesting based on approved management plans and regulations Forest restoration and reforestation initiative to enhance forest cover and ecosystem services Wildlife conservation efforts, including habitat management and monitoring of threatened taxa.	Unauthorized land conversion Illegal logging and hunting	FNCA, 2023 & FNCRR 2017, (Amendment 2020-2021)	Department of Forest and Park Services Natural Resources Development Corporation Limited
Key Biodiversity Areas (KBAs)	Scientific research and monitoring of biodiversity Conservation and restoration efforts to protect rare and endangered species	Unauthorized infrastructure development or conversion or land conversion Habitat destruction or fragmentation Pollution or degradation of water bodies	FNCA, 2023 & FNCRR 2017, (Amendment 2020-2021)	Department of Forest and Park Services
Critical Watershed	Scientific research Watershed/springshed management activities	Any detrimental activities (anthropogenic disturbance)	Water Act of Bhutan, 2011 & FNCRR 2017	Department of Water Department of Forest and Park Services Local Governments
Potential Recharge Area	Regulated use of timber, NWFPs and grazing Implementation of recharge enhancement measures (trenching, biological measures, etc)	Any activities that are detrimental to the health of recharge areas (constructions of road, mining, commercial logging, etc)	Water Act of Bhutan, 2011	Department of Water Department of Forest and Park Services Local Governments
Payment for Ecosystem Services	Regulated use of timber, NWFPs and grazing Implementation of conditional conservation activities agreed between Ecosystem Service Providers and Ecosystem Service beneficiaries	Any activities that are detrimental to the health of ecosystem/ catchment/ watersheds	Water Act of Bhutan, 2011	Department of Water Department of Forest and Park Services Local Governments
Water sources	Conservation and protection activities to enhance water discharge/groundwater recharge. Surveys and research activities	Extraction of resources (mining, logging, etc) Alteration of land use Construction of roads Waste disposal and other pollutants	Water Act of Bhutan, 2011 and, FNCA, 2023	Department of Water Department of Forest and Park Services Local Governments
Ramsar Sites	Biodiversity survey and research Wise use of services based on wetland management plan	Change in the ecological character of the wetlands Diversion of the rivers or any other streams from its natural course Construction of structures, dykes (flood protection walls), roads or any other developmental activities that will have an adverse impact on the condition of the wetlands Draining of the marshes, dredging, and mining Dumping of waste and other pollutants Any other activities that contradict with conservation of wetlands	Water Act of Bhutan, 2011, FNCRR 2017 & Ramsar Convention, 1971	Department of Water Department of Forest and Park Services Local Governments
Rural Settlement Zone	Any form of development to benefit the community and the people.	Not defined	Local Government Act 2014	Local Government and allied Ministry





Permissibility in Zones/Buffers				
Zones/ Buffers	Permissible	Non-permissible	Legal References	Agencies Responsible
Rangeland	Grazing and allied activities	Regulated infrastructure layout and thoroughfare	Tsamdro Use Thram (TUT), granted as Kidu after nationalization with Land Act 2007	Department of Livestock & NLCS
Strategic Development Zones (SDZ)	Defined activities as per spatial planning	Beyond development controls and regulation within SDZ	Zone specific controls	Defined sectors
Industrial Zone	All activities categorized under both Manufacturing and Production Industry, and Service Industry	NA	As per office order issued by Ministry on 1994	Department of Industry
Urban Zone	All activities defined	NA	NA	Department of Human Settlements



LIST OF STAKEHOLDERS

List of Stakeholders Engaged and Served as TWG Members	
SI	Agencies
1	Department of Agriculture, MoAL
2	Department of Forest and Park Services, MoENR
3	Department of Human Settlement, MoIT
4	Department of Energy, MoENR
5	Department of Air Transport, MoIT
6	Department of Geology and Mines, MoENR
7	Department of Culture and Dzongkha Development, MoHA
8	Department of Industry, MoICE
9	Department of Local Governance and Disaster Management, MoHA
10	Department of Surface Transport, MoIT
11	Department of Water, MoENR
12	National Centre for Hydrology and Meteorology, NCHM
13	National Statistical Bureau, NSB
14	World WildLife Fund (WWF)
15	REDD+
16	JICA

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REFERENCES

DGM. (1995). Mines and Mineral Management Act 1995, Thimphu.

DoA. (2015). Agriculture statistics for 2015. Ministry of Agriculture and Forests, Thimphu.

DoA. (2017). Agriculture Land Development 2017. Ministry of Agriculture and Forests, Thimphu.

DoL. (2017). Rangeland areas of Bhutan. Ministry of Agriculture and Forests, Thimphu.

FAO. (2022). Land use statistics and indicators, Global, regional and country trends 1990–2019. Food and Agriculture Organization. <https://www.fao.org/3/cb6033en/cb6033en.pdf>

IPCC. (2007). Climate Change 2007: Impacts, Adaptation and Vulnerability. Working Group II Contribution to the 4th Assessment Report. Cambridge Univ. Press, Cambridge, UK

LAND TENURE AND DEVELOPMENT’ TECHNICAL COMMITTEE. 2022. Special Economic Zones and Land Tenure: Global Trends and Local Impacts in Senegal and Madagascar. [https://www.foncier-developpement.fr/wp-content/uploads/CTFD-ZES-and-Land-Tenure\\_EN.pdf](https://www.foncier-developpement.fr/wp-content/uploads/CTFD-ZES-and-Land-Tenure_EN.pdf)

LCMP. (2010). Land cover mapping project. National Soil Services Centre, Ministry of Agriculture and Forests, Semtokha, Thimphu.

NATIONAL PLANNING COMMISSION. (2015). National Development Plan 2030. Republic of South Africa.

NEC. (2006). Bhutan National Adaption Programme of Action. Royal Government of Bhutan, Thimphu.

NLCS. (2016). Draft Use Right Strategy 2016. Royal Government of Bhutan, Thimphu. NSB,2016. Statistical yearbook of Bhutan 2016.Thimphu.

NSSC. (2010). National Action Program to Combat Land Degradation. Royal Government of Bhutan, Thimphu.

MoWHS. (2019). Comprehensive Development Plan. Ministry of Works & Human Settlements, Royal Government of Bhutan, Bhutan. Volume I, II & III.

MoAF. (2017). Forest & Nature Conservation Rules & Regulations of Bhutan, 2017. Ministry of Agriculture & Forests, Royal Government of Bhutan, Bhutan.

MoAF. (2021). Forest & Nature Conservation Code of Best Management Practices of Bhutan, 2017. Ministry of Agriculture & Forests, Royal Government of Bhutan, Bhutan. Volume IV, V & VI.

NLCS. (2007). Land Act of Bhutan. National Land Commission Secretariat. Royal Government of Bhutan, Bhutan.

NLCS. (2018). National Land Use Zoning Implementation Guidelines 2018. National Land Commission, Royal Government of Bhutan, Bhutan.

NSB. (2017). Population and Housing Census of Bhutan. National Statistical Bureau, Royal Government of Bhutan.

UNCCD. (2018). Land Degradation Neutrality (LDN) Country Profiles. United Nations Convention to Combat Desertification, United Nations.

UNEP. (2012). Renewable Resources and Conflict. United Nations Interagency Framework Team for Preventive Action. <https://docs.google.com/document/d/1nyXcsoKQz5mpAIXNMj5Y9fk3vbgCBAnVraqbffS9rDk/edit>

UNHCR. (2020). Settlement in Rural Area. Emergency Hand Book. United Nations High Commissioner for Refugees. <https://emergency.unhcr.org/emergency-assistance/>

UNIDO. (2019). International Guidelines for Industrial Parks. [https://www.unido.org/sites/default/files/files/2019-11/International\\_Guidelines\\_for\\_Industrial\\_Parks](https://www.unido.org/sites/default/files/files/2019-11/International_Guidelines_for_Industrial_Parks)

WWF. (2022). National Interpretation for the Identification of High Conservation Values in Bhutan.WWF, Bhutan.

ROYAL GOVERNMENT OF BHUTAN. (2004). The Road Act of The Kingdom of Bhutan 2004.



A Baseline Report for the National Land Use Zoning (NLUZ) means, a baseline inventory of geospatial data with an overview report of the NLUZ exercises, based on the defined objectives and scope; context and background; Fit-For-Purpose approach and methodology; and parameterization and analysis. This intends to serve as starting point for assessing and measuring various parameters and spatial considerations related to national land uses. It provides a snapshot of the current conditions, status, and characteristics of land and land based resource benchmarks, against which the progress and impacts can be measured over time.

This shall form as a basis and valuable tools for monitoring and evaluating the progress of land use initiatives at national level, tracking changes over time, and making informed decisions based on the location intelligence and spatial decision support system.

