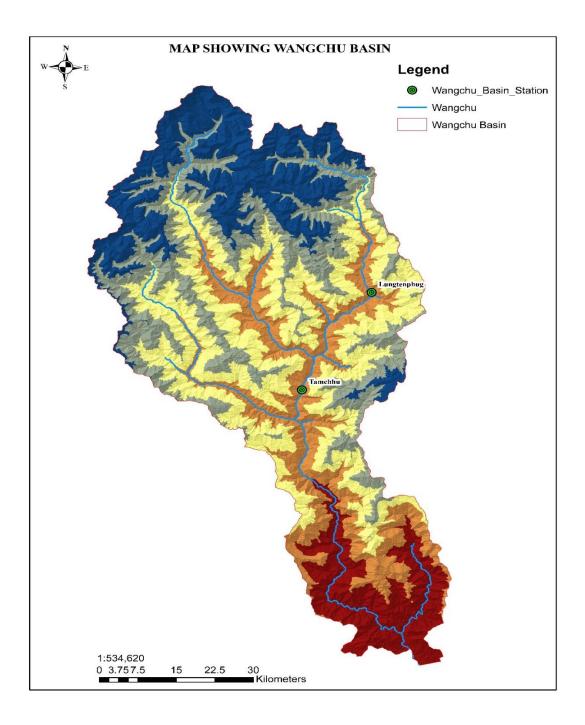
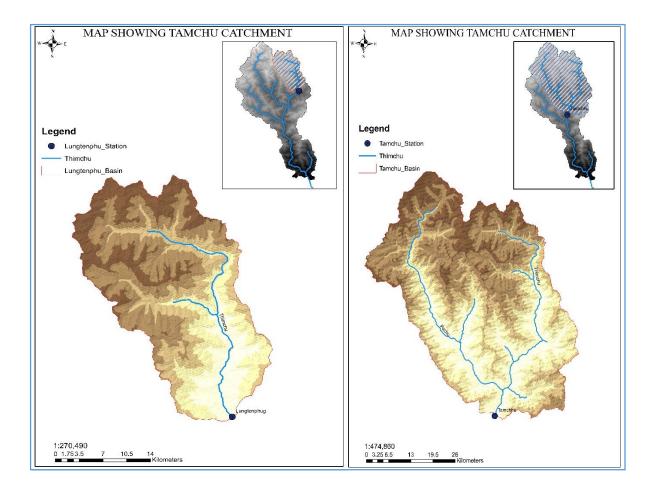
#### 1 Wangchu Basin

*The Wangchhu* consists of three major tributaries from the three valleys of Thimphu, Paro and Haa. They originate within Bhutan from the glaciers and snow-capped mountains in the north. It flows south to the Indian plains through Chhukha district. The Wangchu Basin consists of three major sub catchment when the delineation is based on the number of rivers contributing to the whole basin.

There are five manual stations (two principle stations and three secondary stations) along the river in basin which provides sub daily water level and discharge data. The catchment delineation is based on the location of two principle stations located at Lungtenphu and Tamchu.



## 1.1 Sub-Catchment

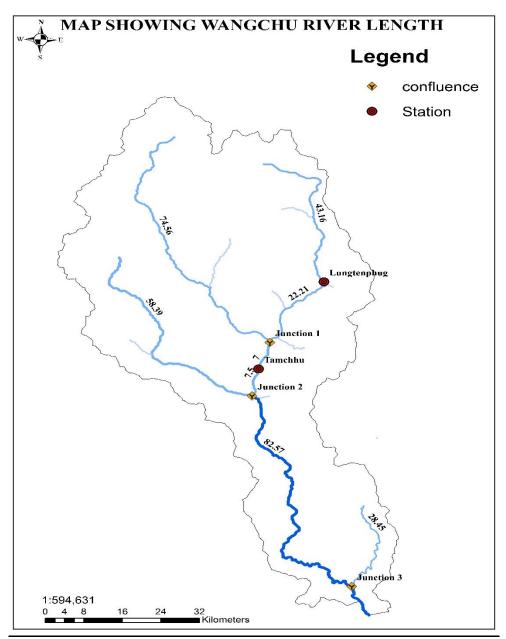


#### Lungtenphu Sub Catchment:

Station Location: Lungtenphu on Thimchu Coordinates: longitude : 89:39:40 Latitude : 27:26:48 Elevation : 2260 Catchment Area: 665.71sq.km

#### Tamchu Sub catchment

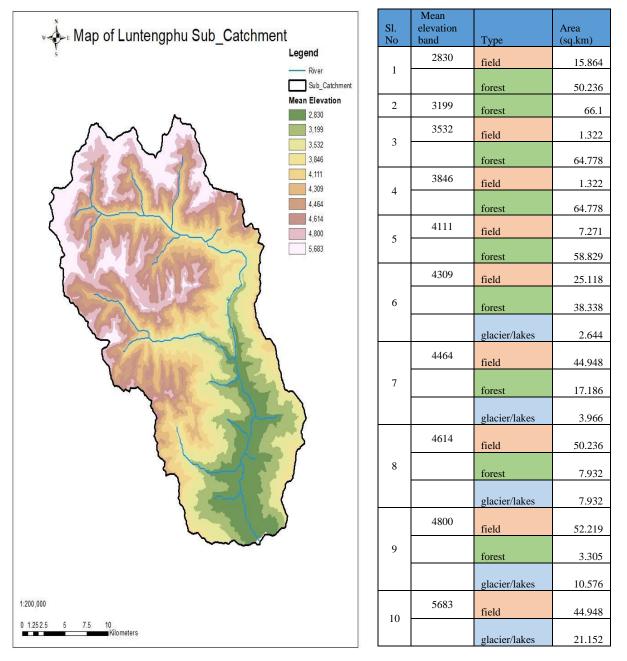
Station Location: Tamchu on Wangchu Coordinates: longitude : 89:31:38 latitude : 27:14:26 elevation : 1990 Catchment Area: 2529.17sq.km



Sl.No	Rivers	Length (km)
1	Thimchu till Lungtenphu Station	43.16
2	Thimchu till Tamchu	72.8
3	Pachu till confluence with Thimchu	74.56
4	Pachu till Tamchu Station	81.98
5	Thimchu	172.523
6	Pachu	181.709
7	Hachu	150.613

## 1.2 Land Use Area

## Lungtenphu Sub Catchment:



# NCHM

### Tamchu Sub Catchment:

