

# Forest Pre-Stratification Mapping

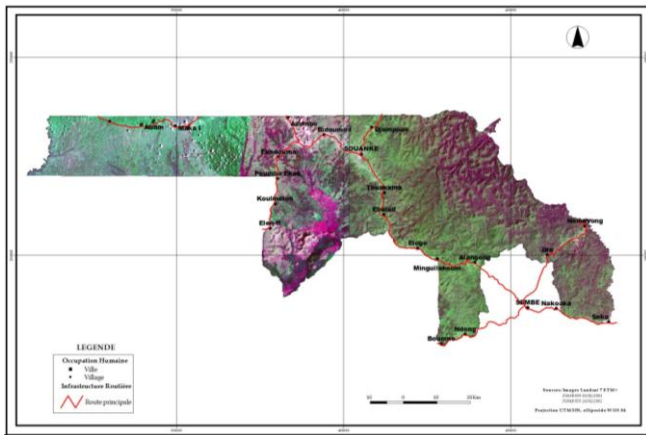


Figure1. Map showing satellite image of the study area

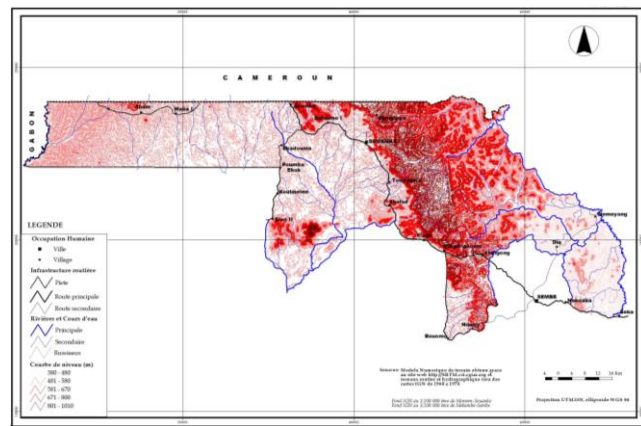


Figure2. Map showing major drainages and DTM

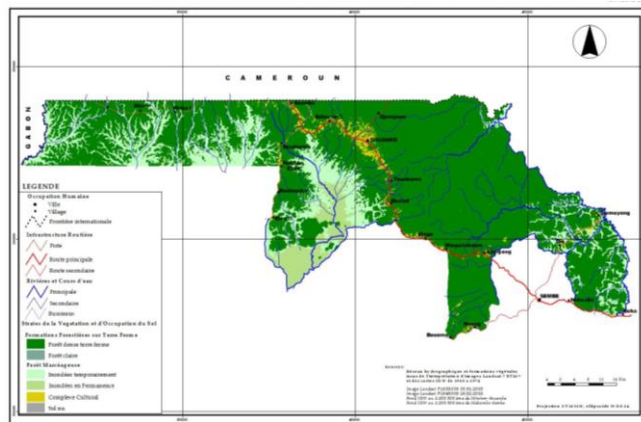


Figure3. Forest pre-stratification map

## Business Need:

Forests are leased by timber companies for exploitation of timber. In order to plan the systematic exploitation of tree cover, it is necessary to have proper information on the current status, as well as distribution of forest cover type in the leased areas.

The business need is to create map of the study area-

- i) showing existing road/pathways
- ii) showing terrain heights
- iii) showing drainage/streams
- iv) showing current status of forest and also the forest cover types

## Area Covered:

The area covered for this study was spread in Republic of Congo

## Inputs Used:

Image type	Landsat	SRTM
No. of Images	1 Sets	1 Sets
No. of Bands	7	1
Resolution	30m	90m

## Business Solution:

Latest Landsat image of the study area was procured. SRTM of the study area was also downloaded.

SRTM was further processed to create the "Slope Map" of the study area.

Satellite image, combined with the DTM and Slope map, was used to create "Preliminary Forest Stratification Map" of the study area, keeping in mind the tree cover, tree density, height and slope of the terrain.

GPS aided field survey was carried out to verify the classification of forest done.

Necessary fine-tuning of the pre-stratification map was done to create the final "Pre-stratification Forest Map" of the study area.

## Project Shipment:

The following shipments were made-

- i) Layout showing Pre-stratification Forest Map
- ii) Access network
- iii) Drainage map