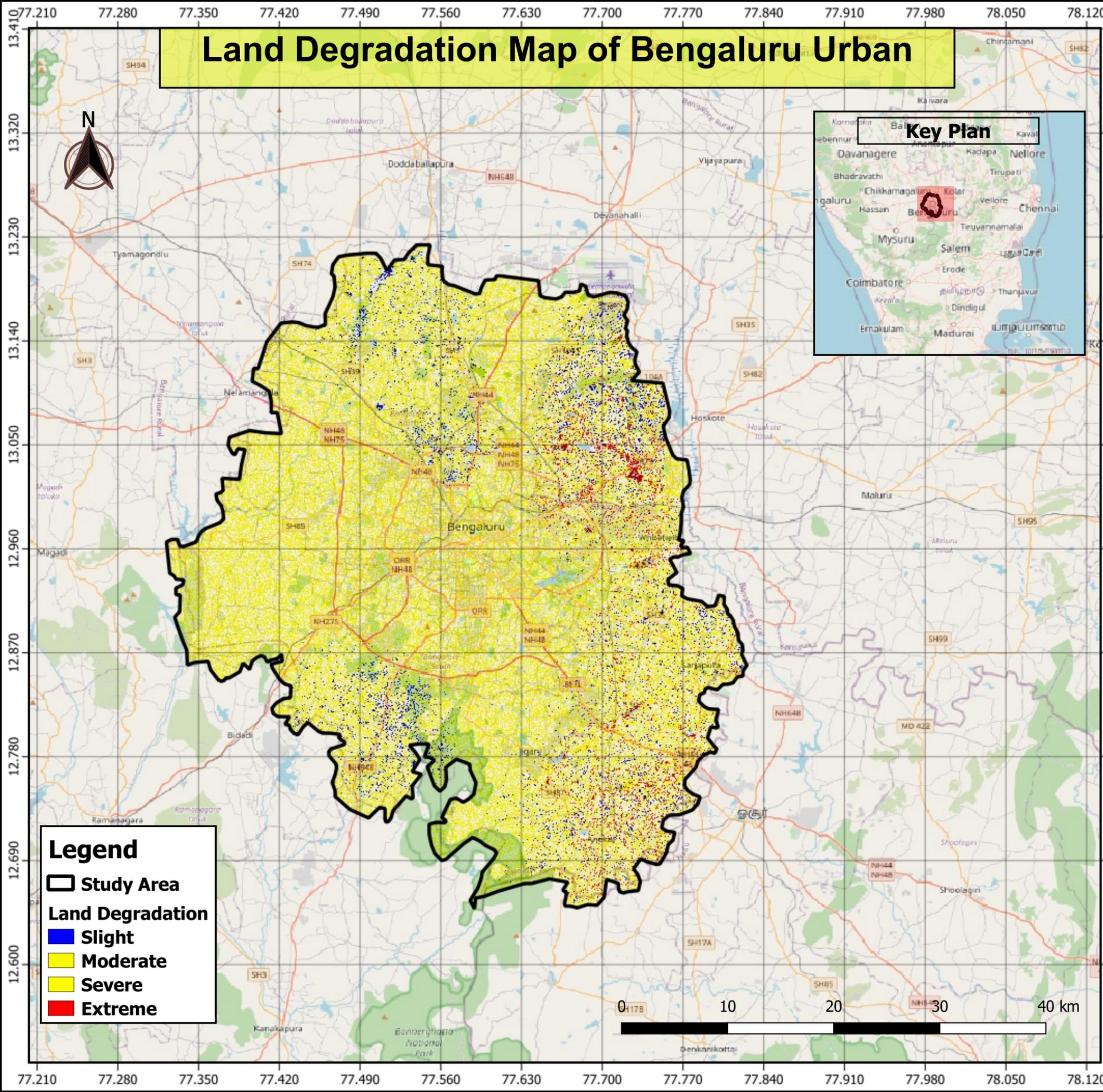


# Land Degradation Map of Bengaluru Urban



**Legend**

- Study Area
- Land Degradation
  - Slight
  - Moderate
  - Severe
  - Extreme

## Map Description and Analysis

**Introduction:**  
This map is a detailed study of land degradation in Bangalore Urban which is derived using Revised Universal Soil Loss Equation.

**LS-factor:**  
The S-factor measures the effect of slope steepness, and the L-factor defines the impact of slope length.

**K-factor:**  
It's the soil erodibility factor which represents both susceptibility of soil to erosion and the rate of runoff, as measured under the standard unit plot condition.

**R-factor:**  
The rainfall erosivity factor is a multi-annual average index that measures rainfall's kinetic energy and intensity to describe the effect of rainfall on sheet and rill erosion.

**C&P-factors:**  
Cover-Management factor (C&P) is used to reflect the effect of cropping and management practices on erosion rates, P is the support practice factor which is the ratio of soil loss with contouring and/or strip-cropping to that with straight row farming up-and-down slope.

**Team name:** Geosynchronous  
**Topic:** Land Degradation Map  
**Team lead:** Siddharth Jmt Selvan  
**Team members:** Thangjam Shager Singh & Jyothi N  
**Contact/email:** siddharthrocks619@gmail.com  
thangjamshager@gmail.com,  
nagannamangala@gmail.com