

Grid-based Inventorying, Mapping and Monitoring of Natural Resources in Shimoga district, Karnataka

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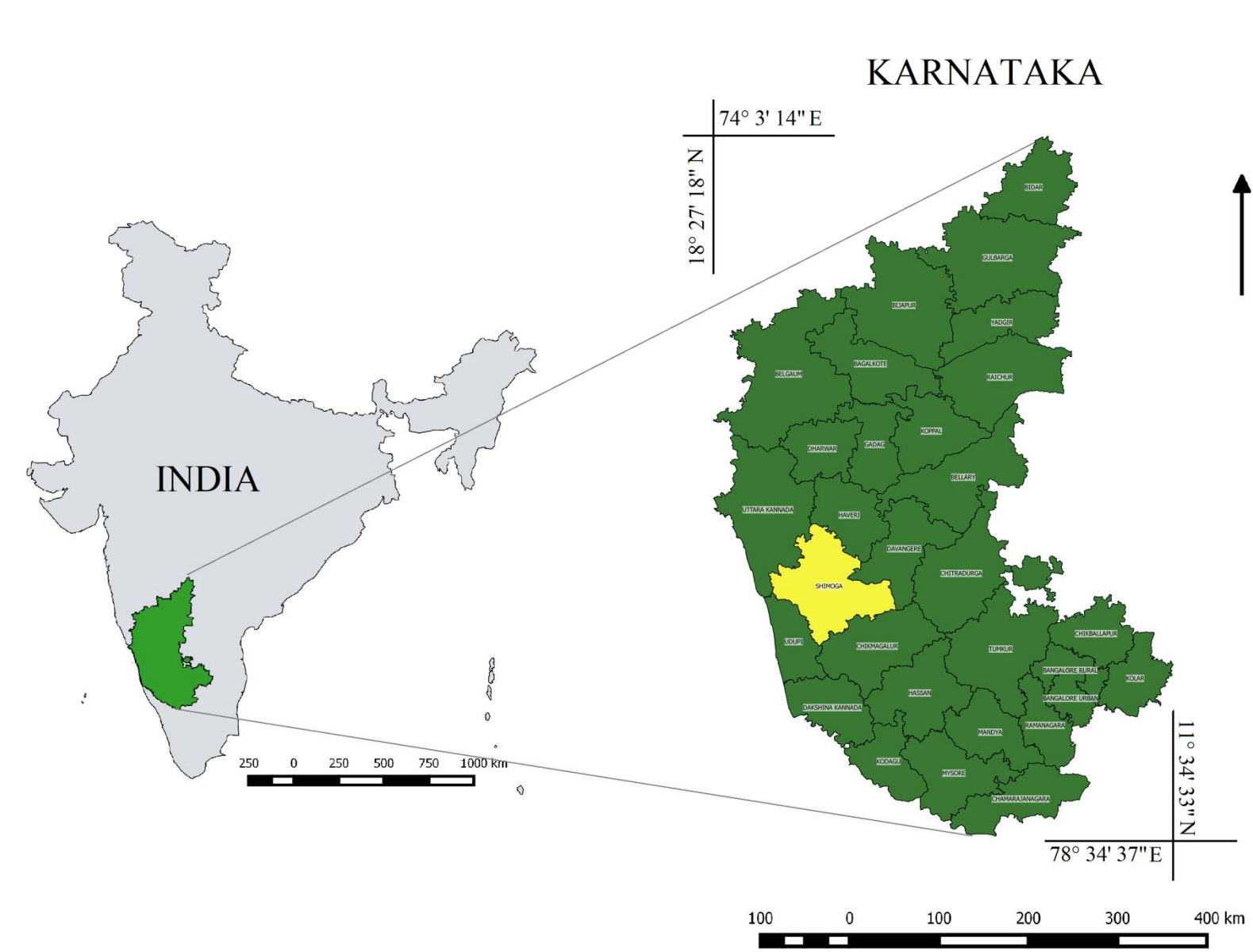
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NATURAL RESOURCES

Resources available in the nature providing for human well-being which require prudent management to ensure sustainability

INVENTORYING, MAPPING AND MONITORING helps in understanding the status and trends of the availability of natural resources and further aid in formulating appropriate conservation and sustainable management strategies

STUDY AREA



GRID-BASED STRATEGY

Exact overlay of grids with 1:50000 scale Survey of India topographic sheets for data validation and further co-relation with the available data

A	E	I	M	1	5	9	13
B	F	J	N	2	6	10	14
C	G	K	O	3	7	11	15
D	H	L	P	4	8	12	16

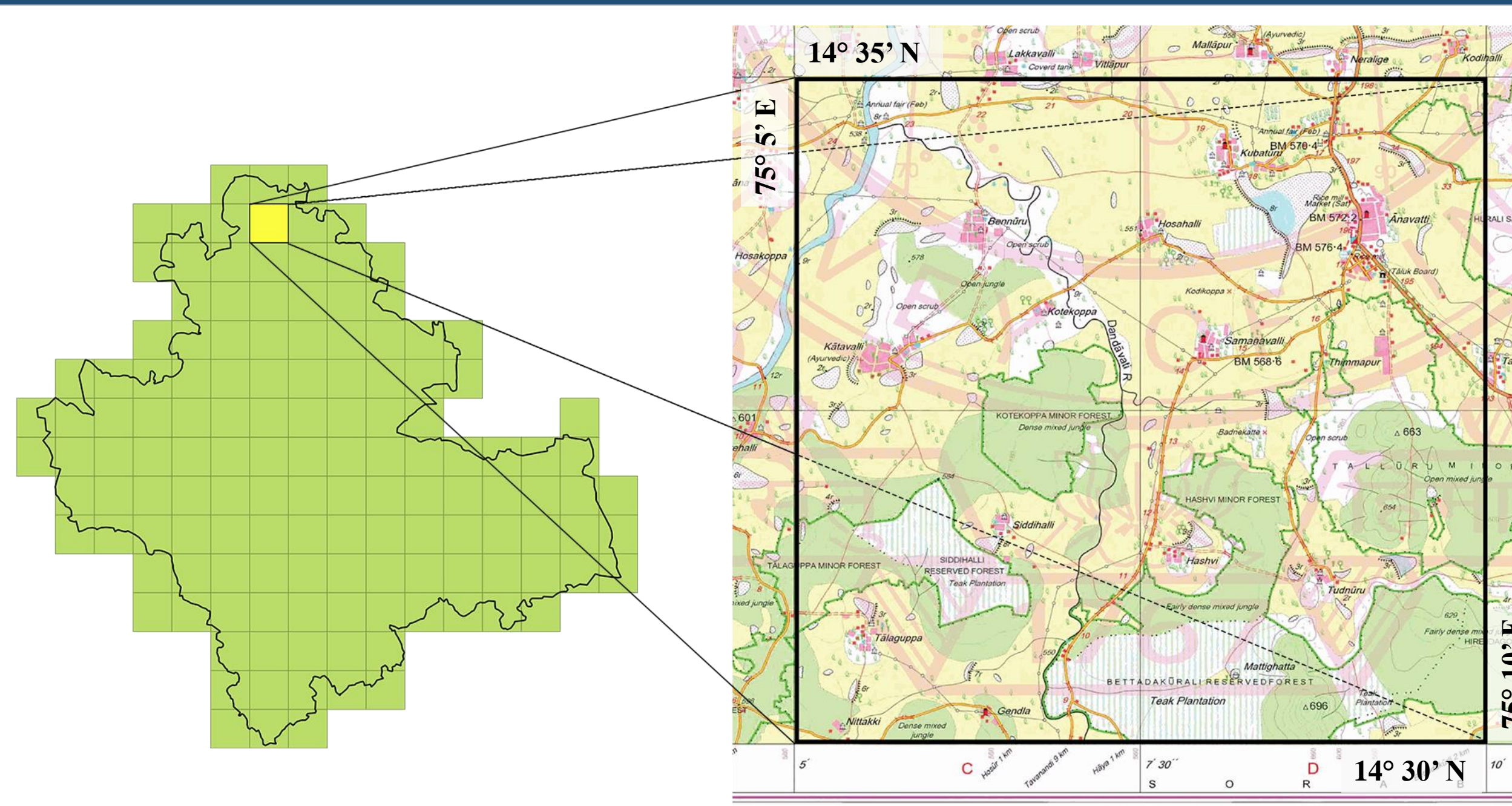
Each topographic sheet is marked with 5' X 5' Grids i.e., 9 km X 9 km (closer to equator)

4°x 4° grids
1:1,00,000 scale
Sheet no.: 48

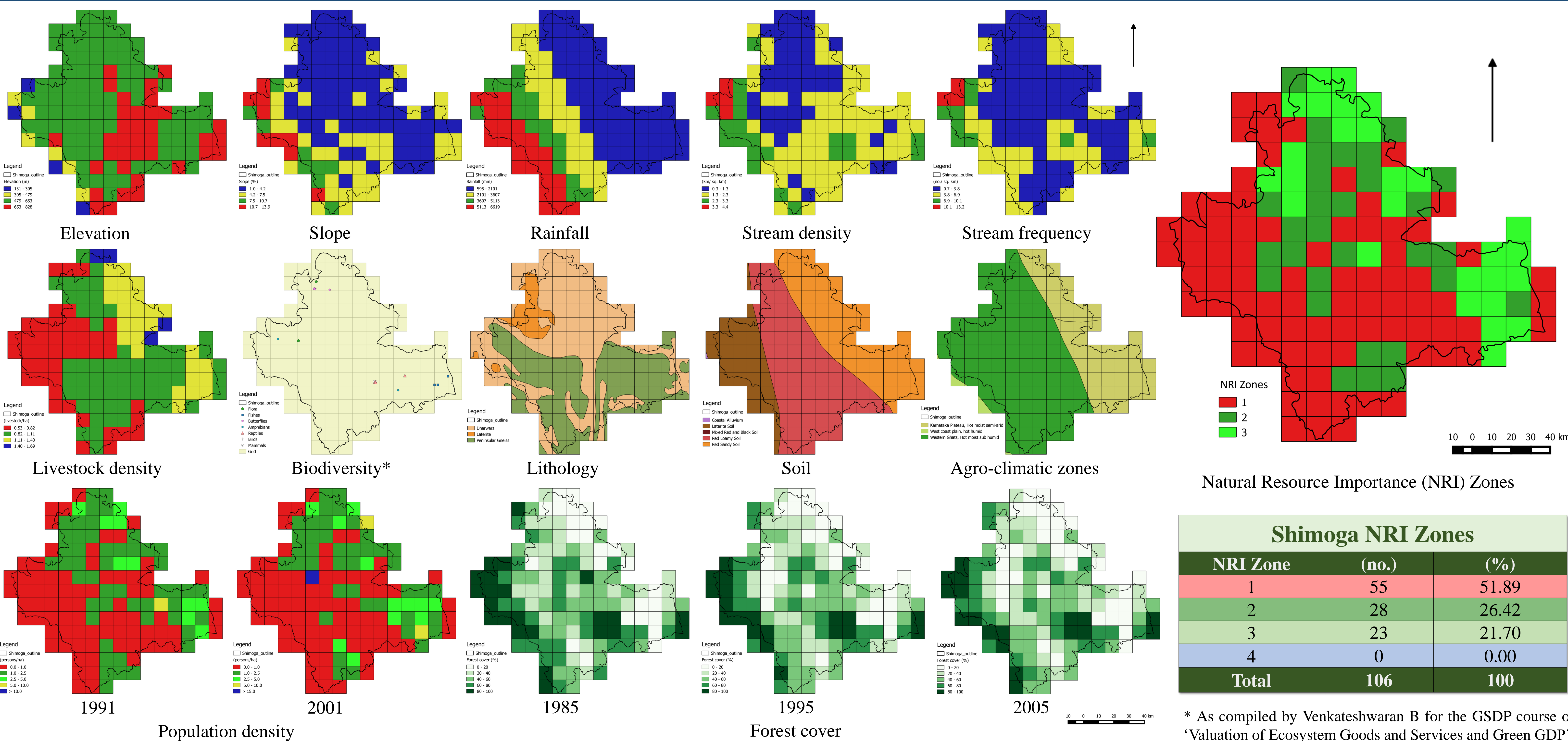
1°x 1° grids
1:250,000 scale
Sheet no.: 48N

15'x15' grids
1:50,000 scale
Sheet no.: 48N/14

OVERLAY



RESULTS



RESEARCH SIGNIFICANCE

Grid based inventorying, mapping and monitoring of natural resources aids as an effective management tool for the Biodiversity Management Committees constituted for every local bodies under Chapter 10 of The Biological Diversity Act, 2002

Potential to serve and promote conservation, sustainable use and documentation of biological diversity and aid as a prioritisation tool on decision-making based in the allocation of funds with regards to conservation programmes

Natural Resources Importance (NRI) Zones require effective conservation measures to ensure the sustainability of natural resources – water, forest products etc., - for the sustenance of people's livelihood

