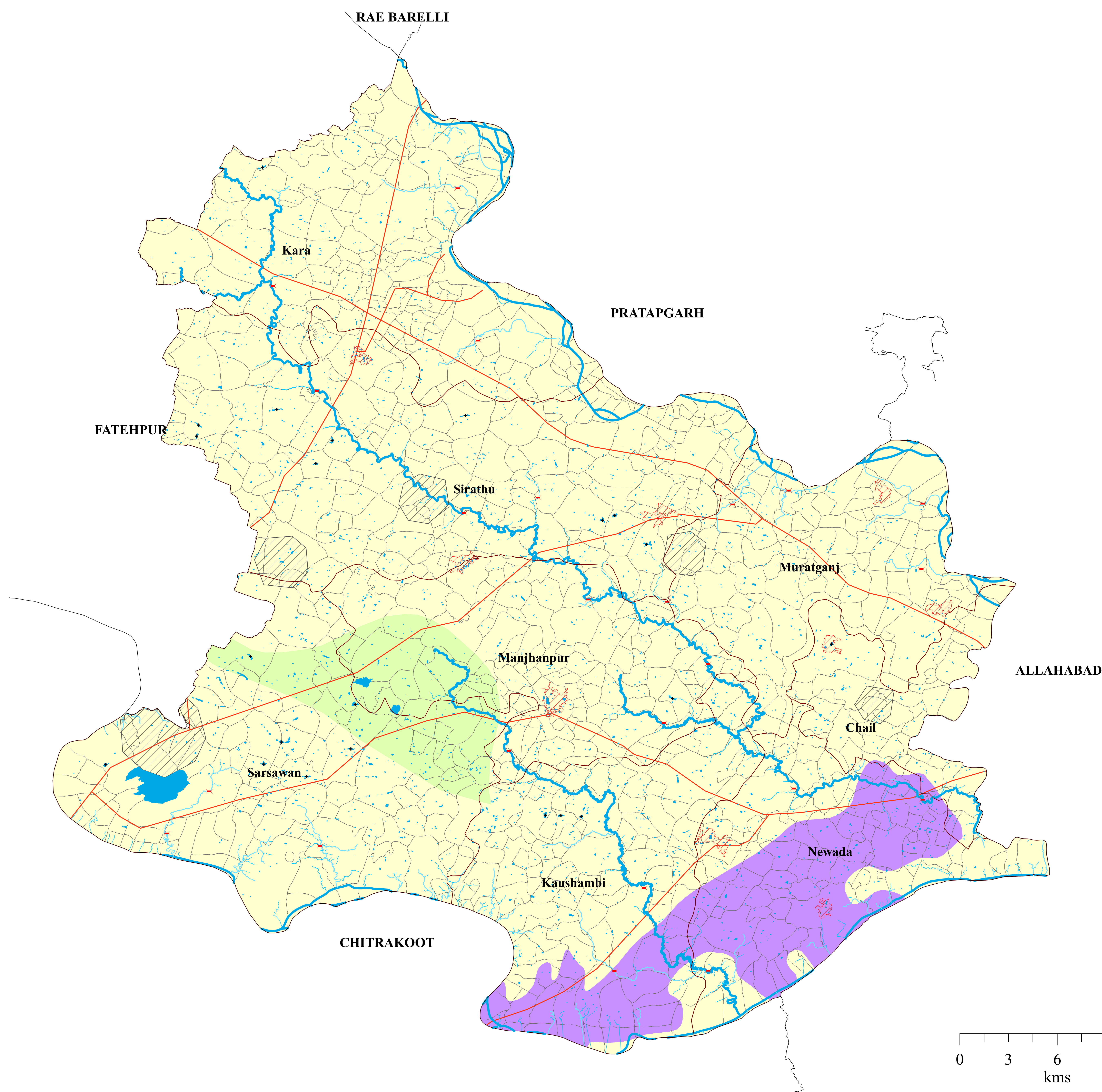
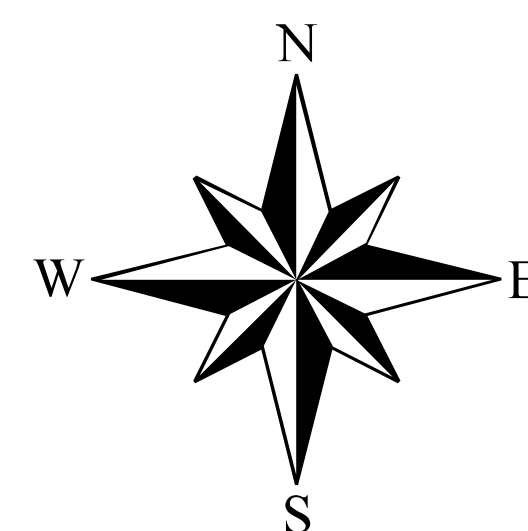
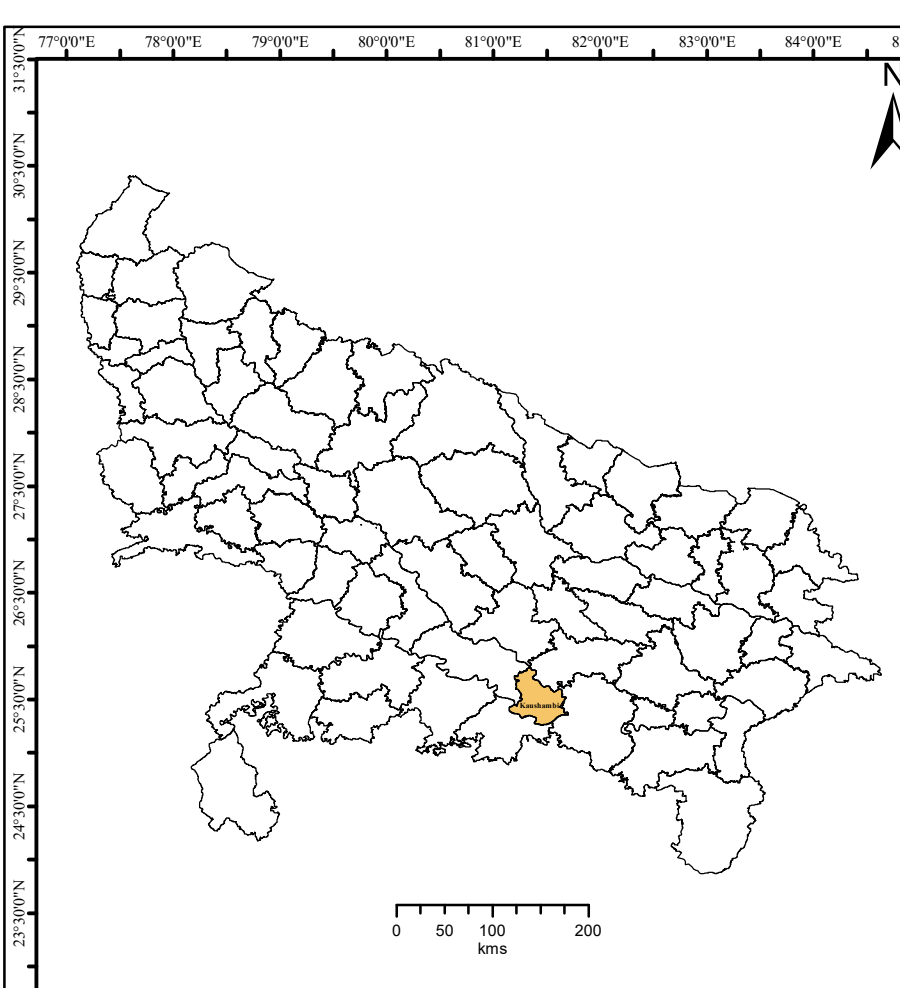


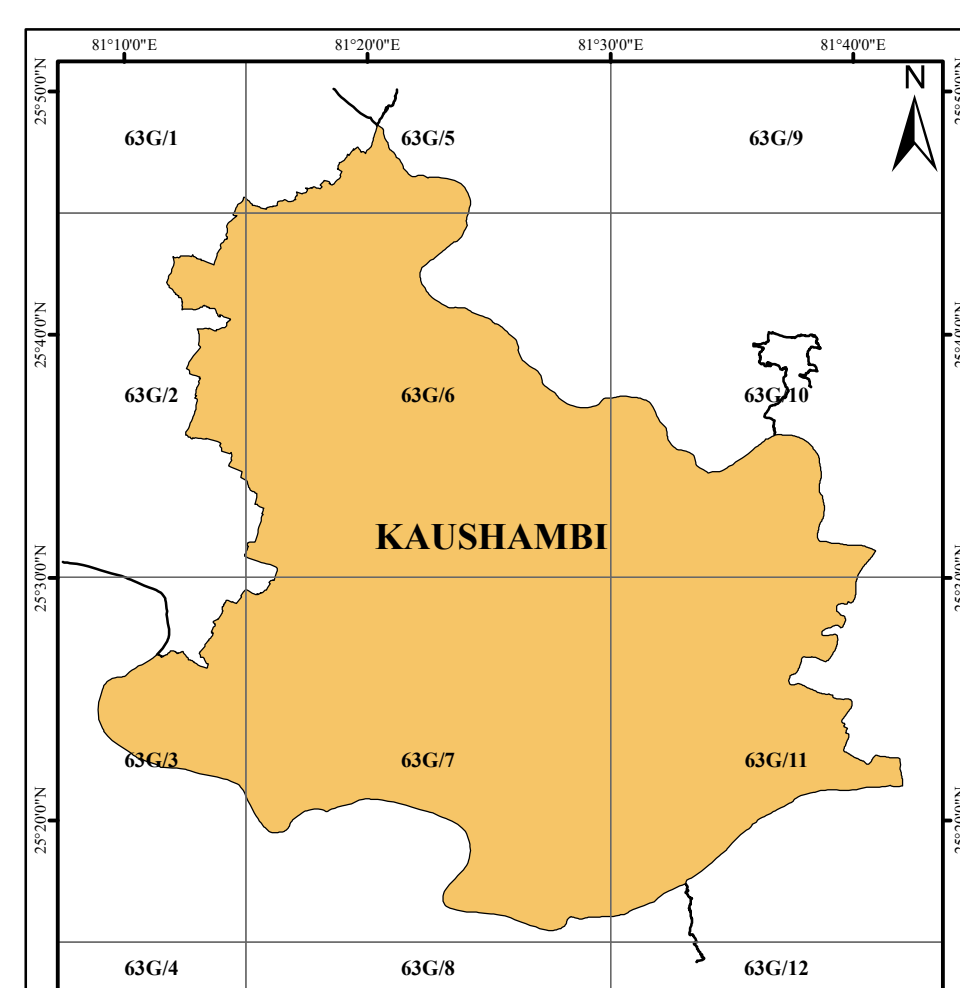


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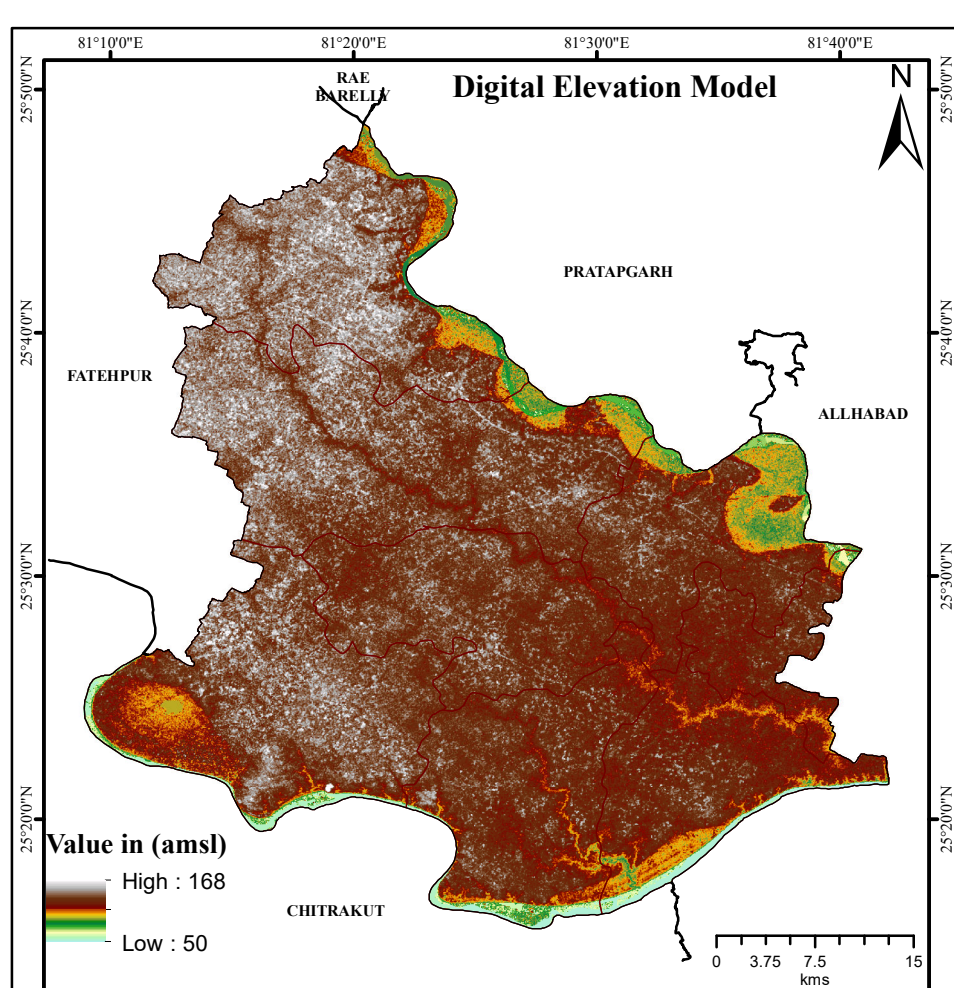
Index Map Of Uttar Pradesh



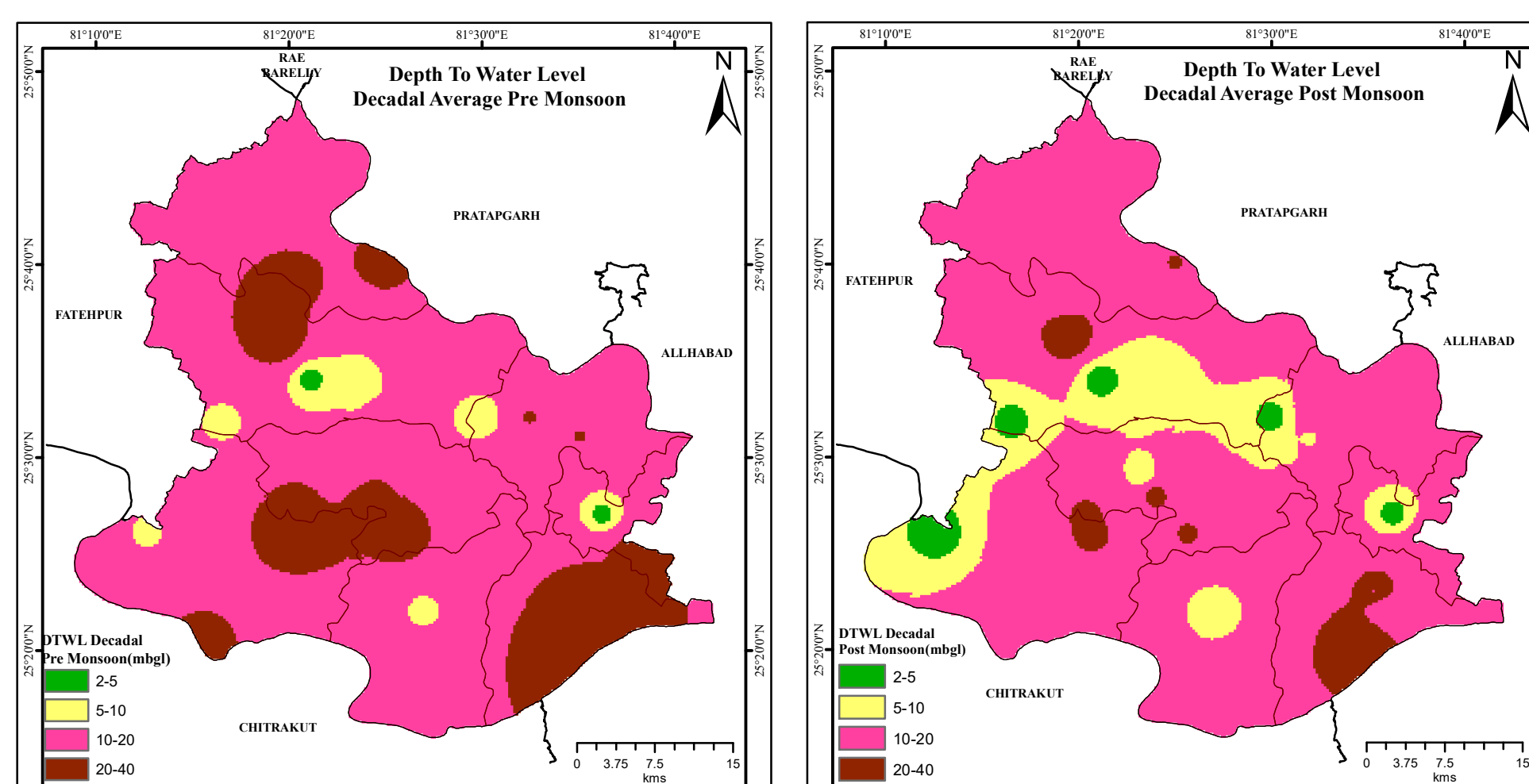
SOI Toposheet Index



Digital Elevation Model



Depth to Water Level Maps



General Features

Geographical Area (Sq.km)	1774
Blocks (Nos.)	8
Gram Panchayaths	451
Urban Habitat (Nos.)	1
Normal Annual Rainfall (mm)	755
Area Suitable for AR (Sq.km)	1137
Subsurface Storage Potential (MCM)	1235
Source Water Requirement (MCM)	1643

Artificial Recharge Structures

Type of Structure	No.of Proposed Structures
Desilting Existing Pond	 824
Existing Pond(For Water conservation)	 1967
Proposed Check dam	 23
Proposed Recharge Shaft	 22
Urban area 	Roof Top Rain Water Harvesting Structures All Govt Buildings and houses with Roof Area >200 sq.km.
Shallow Water Level(<2m)	
Area Suitable for Water Conservation	

Principal Aquifers

Index	Types Of Aqifer
	Younger Alluvium
	Older Alluvium
	Quartzite

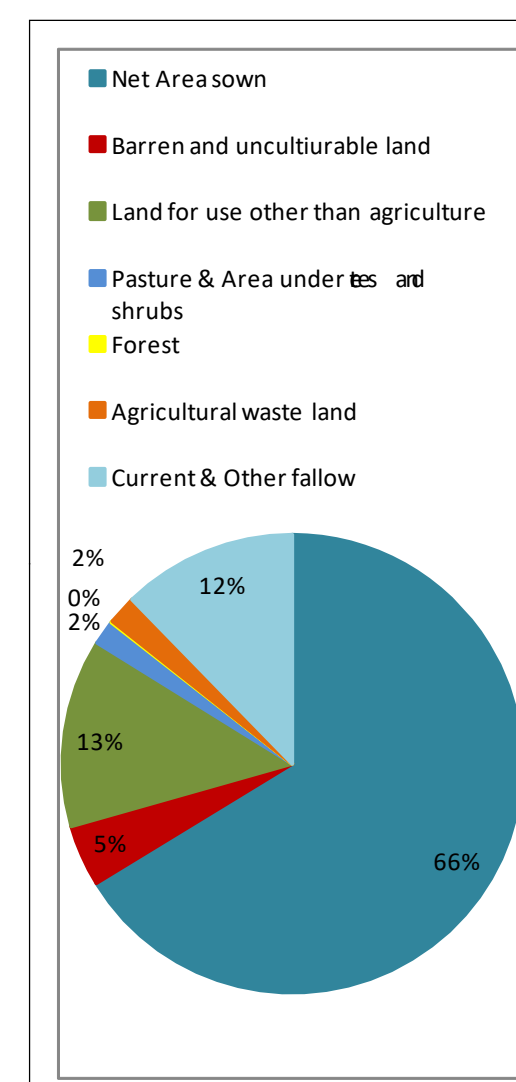
Ground Water Scenario

DTWL Decadal Average (Pre-monsoon) mbgl	
Min	2.14
Max	29.72
Major Range	10 to 20
DTWL Decadal Average (Post-monsoon) mbgl	
Min	1.12
Max	28.51
Major Range	10 to 20

Ground Water Quality

Sl.No.	Water Quality	Permissible Limits	Range	Mandals showing more than permissible limits
1	Electrical Conductivity (EC) (μS/cm)	<3000	546-2907	No Blocks above Permissible Limit
2	Fluoride(mg/l)	<1.5	0.11-0.91	No Blocks above Permissible Limit
3	Nitrate (mg/l)	<45	2-476	Kara, Mooratganj

Land Utilization (%)



Salient Features

Major Geomorphic Landforms	Younger and Older Alluvium Plain
Major Issues	High Ground water Exploitation (Average SOGE-82.13%), Pollution (Anthropogenic) Deep Water Levels, Declining Water Level Trends
Cropping Pattern(%)	Major Crops: Wheat, Paddy, Bajra, Barley, Jawar, Gram.