

78°15'0"E

78°30'0"E

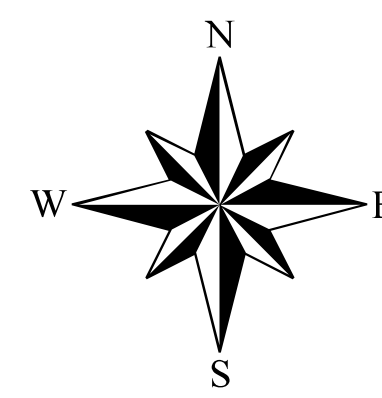
78°45'0"E

79°0'0"E



Government of India
Department of Water Resources, RD & GR
Ministry of Jal Shakti
Central Ground Water Board

District Recharge Plan Sambhal District Uttar Pradesh State



78°15'0"E

78°30'0"E

78°45'0"E

79°0'0"E

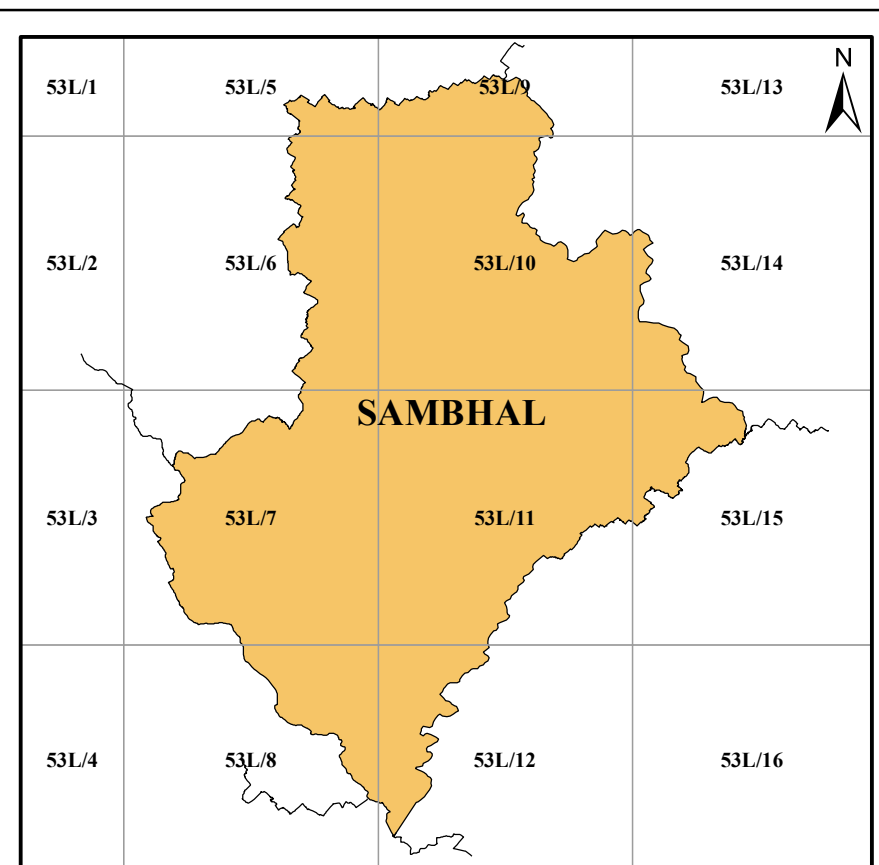
Index

	Associated Boundary
	District Boundary
	Block Boundary
	Village Boundary
	Watershed Boundary
	River / Water Bodies
	Drainage
	Major Road

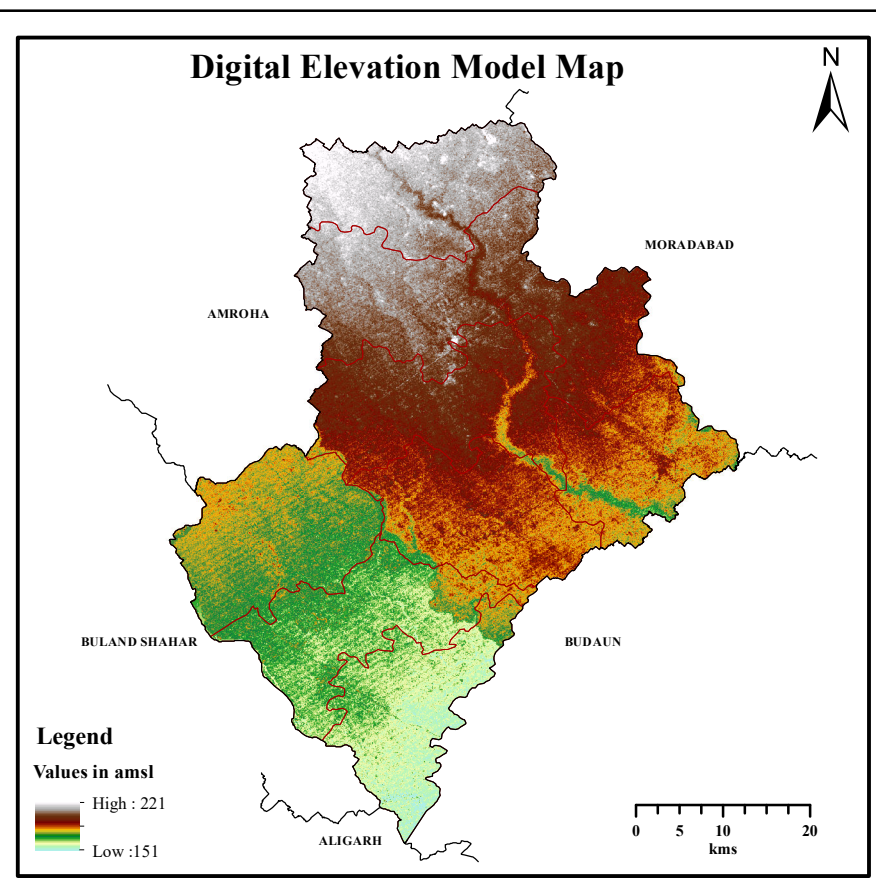
Index Map Of Uttar Pradesh



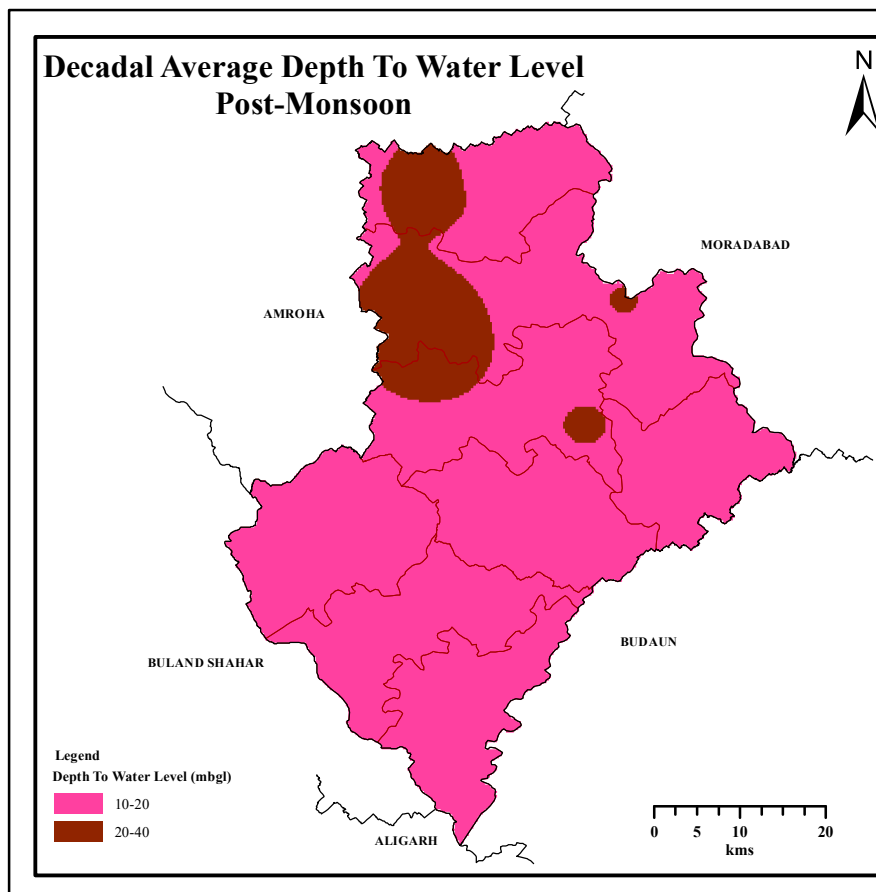
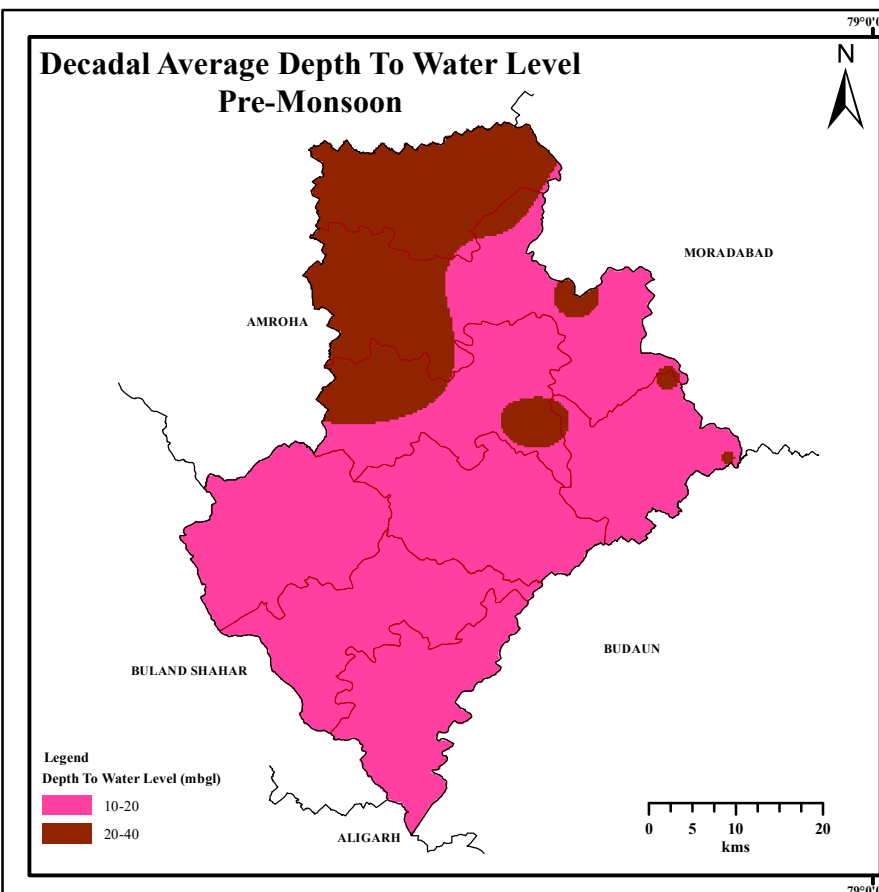
SOI Toposheet Index



Digital Elevation Model



Depth to Water Level Maps



General Features

Geographical Area (Sq.km)	2298
Blocks (Nos.)	8
Gram Panchayats (Nos.)	225
Urban Habitats(Nos.)	1
Normal Annual Rainfall (mm)	489.59
Area Suitable for AR (Sq.km)	2298
Subsurface Storage Potential (MCM)	2540
Source Water Requirement (MCM)	3378.2
Surplus Runoff Available (MCM)	65.32

Artificial Recharge Structure

Type of Structure	No. of Proposed Structures
Destiling /Deepening of Existing Pond	443
Existing Pond(To be protected for water Conservation)	1578
Proposed Recharge Shaft	20
Existing Check Dam	0
Proposed Check Dam	26
Urban Areas	Roof-top Rain water Harvesting Structures All Govt. Buildings & Houses with Roof Area.200sq.m
Shallow Water Level (< 5 m)	Area suitable for Water Conservation

Principal Aquifers

Index	Principal Aquifer
	Older Alluvium
	Younger Alluvium

Ground Water Scenario

Decadal Average Depth To Water Level Pre-Monsoon (m bgl)	
Min	12.2
Max	16.78
Major Range	10 to 15 (>10)
Decadal Average Depth To Water Level Post-Monsoon (m bgl)	
Min	11.87
Max	16.42
Major Range	10 to 15 (>10)

Ground Water Quality

Water Quality Parameter	Permissible Limits	Obtained Value	Blocks showing more than permissible limits
Electrical Conductivity (EC) (µS/cm)	<3000	394 - 928	No Blocks above Permissible Limit
Flouride (mg/l)	<1.5	0 - 0.80	No Blocks above Permissible Limit
Nitrate (mg/l)	<45	0 - 57	Baniakhara

Salient Features

Major Geographical Landform	Younger and Older Alluvial Plains
Major Issues	High Ground Water Exploitation (Average SOGE - 87.43%) Pollution (Anthropogenic) Deep Water Levels Declining Water Level Trends
Cropping Pattern(%)	Major Crops - Sugarcane,Wheat,Paddy & Others
Land Utilization(%)	

* Locations of the proposed artificial recharge structures shown on the map are indicative and require field verification & ensuring pollution free water for recharge.
Central Ground Water Board (CGWB), NR, Lucknow, Email: rdnr-cgwb@nic.in