

Source Sustainability Under JJM Uttar Pradesh

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4.7 Water Source Reported

Water Sources Reported	Response
Surface water	13,418
Spring	1
Groundwater	83,663

4.4. Status of Quantity of water produced at State level

volume of water produced

Type of Source	Quantity (in MCM)
Surface water	511
Ground water	3,504
Spring water	0

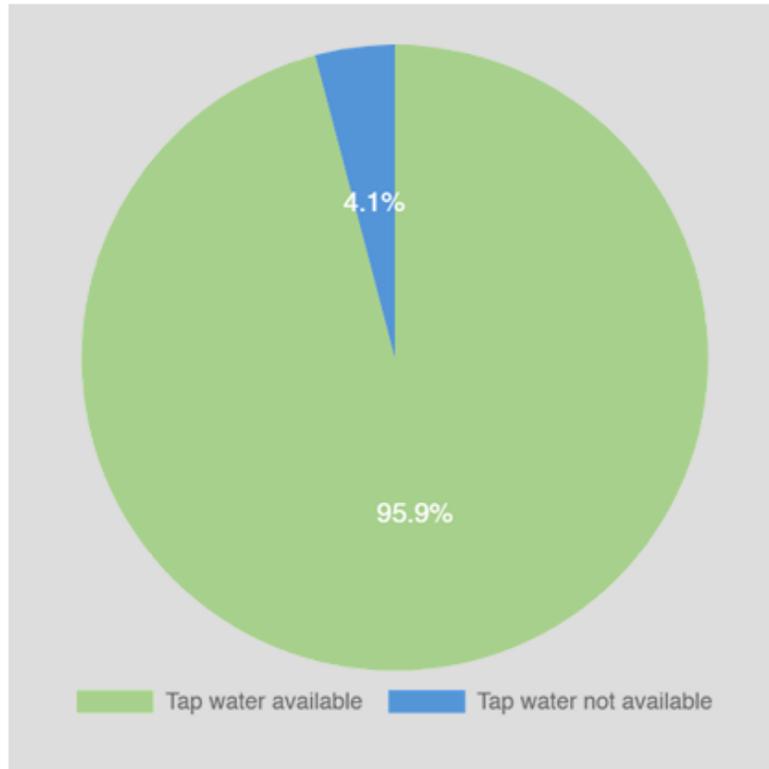
MCM= Million cubic meters

Cost incurred in last 1 year (in Rs. per Kilo Liter): 11

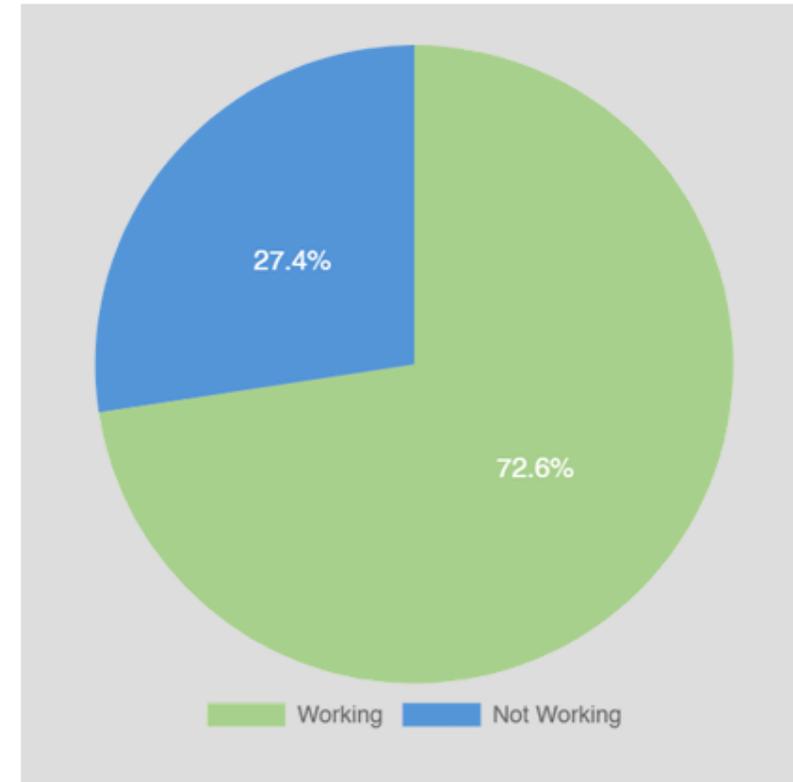
Source: Functionality Assessment Report, 2024, Jal Shakti Ministry, Gol

UTTAR PRADESH (2024)		(in BCM)
Ground Water Recharge	Recharge from rainfall	37.24
	Recharge from other sources	35.60
	Total Annual Ground Water Recharge	72.84
Total Natural Discharges		6.46
Annual Extractable Ground Water Resource		66.38
Current Annual Ground Water Extraction	Irrigation	41.15
	Domestic	5.08
	Industry	0.53
	Total	46.76
Stage of Ground Water Extraction (%) for All 836 Assessment units		70.45
Stage of Ground Water Extraction (%) for 10 Urban Assessment		164.52
Stage of Ground Water Extraction (%) of Block level 826 Assessment units		70.02

Source: Groundwater Department -2024

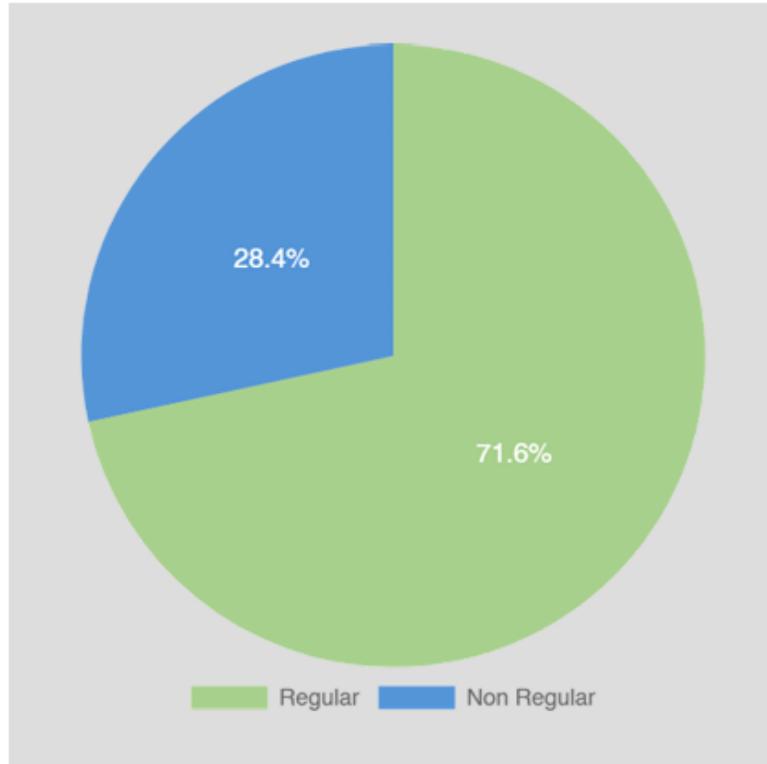


Availability of Tap Water Connection at HH- District Wise

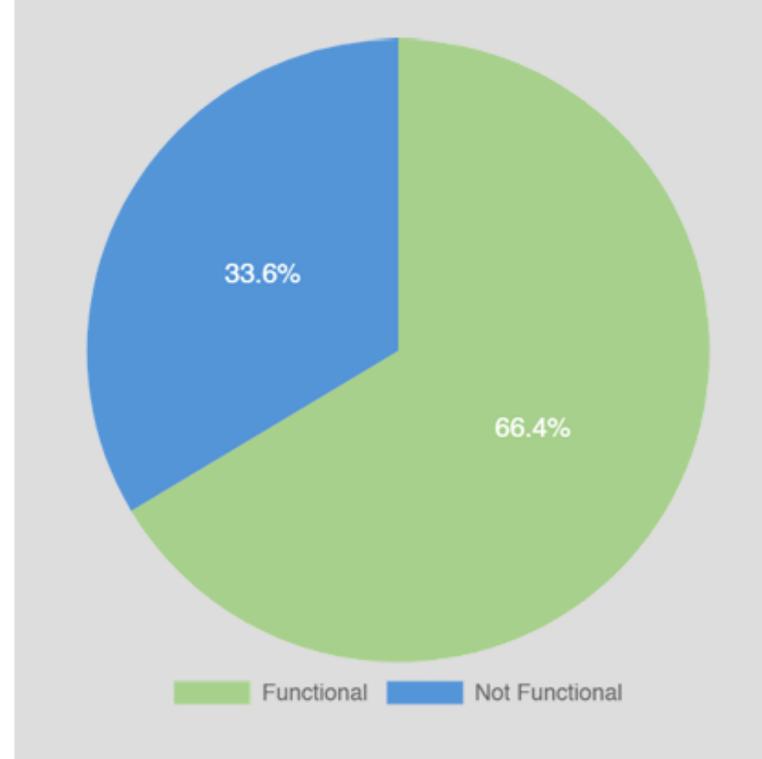


Working status of tap connection at household level District Wise

Source: Functionality Assessment Report, 2024, Jal Shakti Ministry, GoI

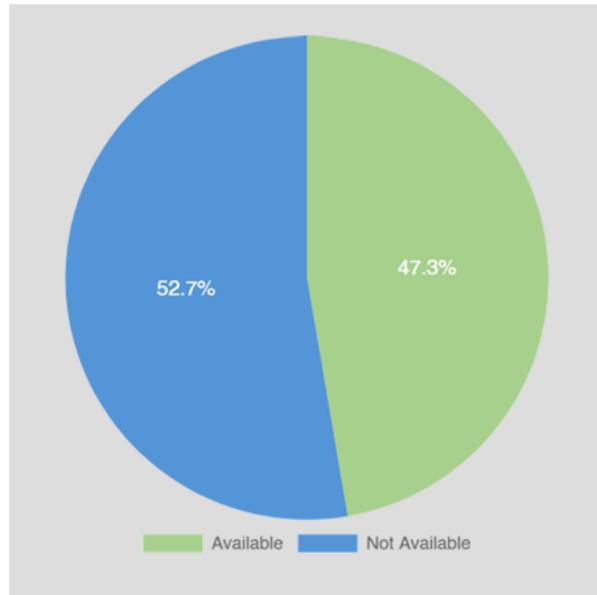


Household receiving regular water supply District Wise

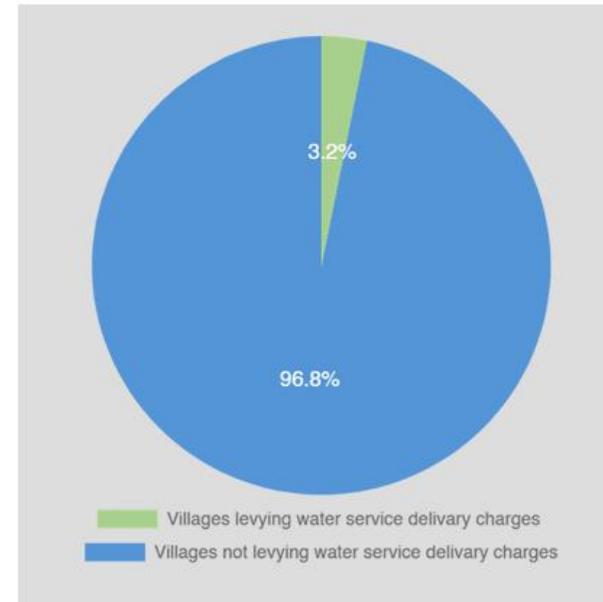


Functionality Status of Household Tap Connection

Source: Functionality Assessment Report, 2024, Jal Shakti Ministry, GoI



Availability of VWSC/Paani Samiti District Wise



Villages levying water service delivery charges

4.6. Operations and Maintenance

Responsibility of O&M	Percentage
GP / VWSC directly	0
GP / VWSC through contract	0
PHED / RWS / PWD directly	0
PHED / RWS / PWD through contract	100
Others	0

Source: Functionality Assessment Report, 2024, Jal Shakti Ministry, GoI

CATEGORIZATION (2024)	UTTAR PRADESH
Total No. of Assessed Units	836
Safe	566
Semi-Critical	165
Critical	46
Over-Exploited	59

Source: Groundwater Department - 2024

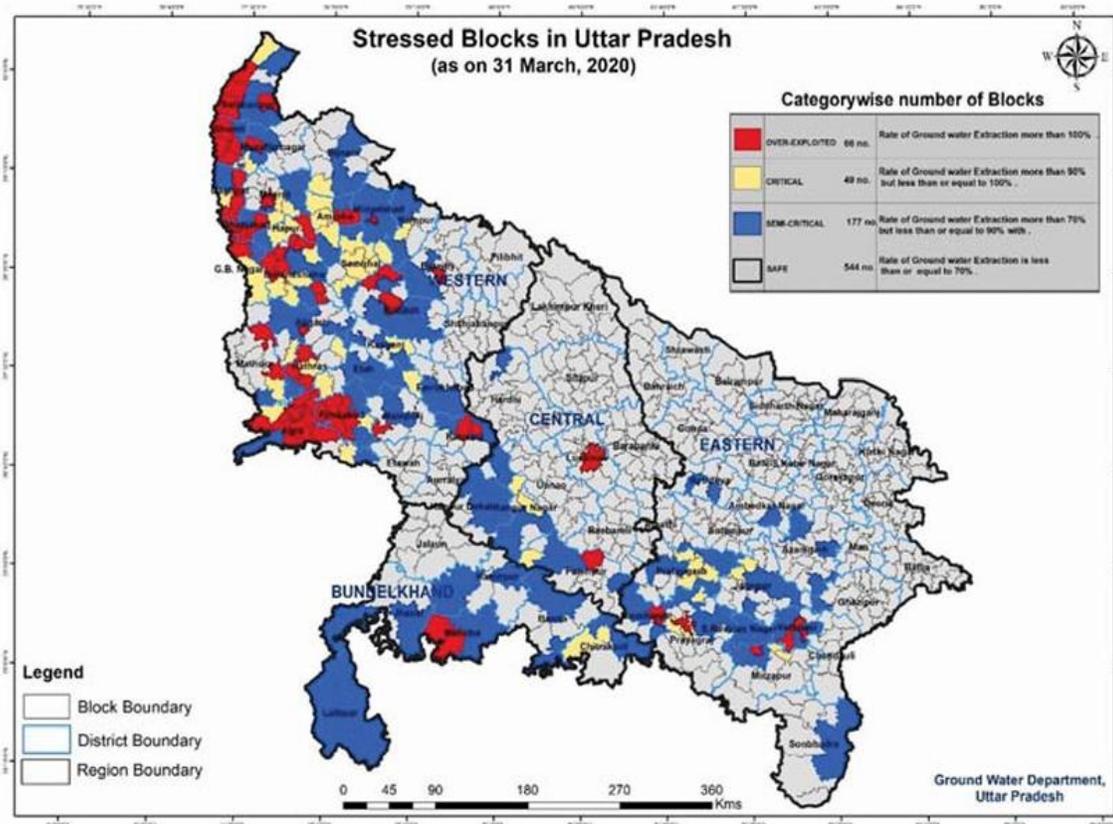


Fig 8: Categorization of Assessment Unit (Block & Urban area) For Ground Water Extraction - As on March 2020

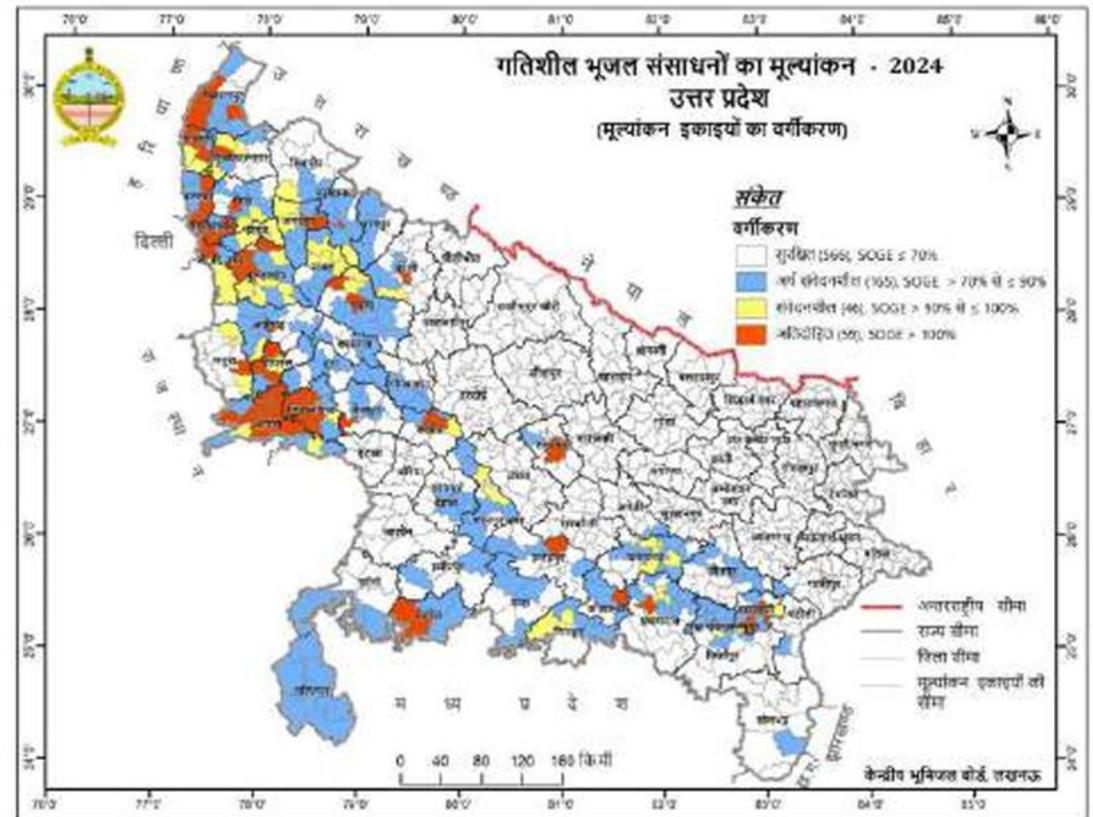


Figure 13: Categorization of Assessment Unit (Block & Urban area) For Ground Water Extraction - As on March 2024

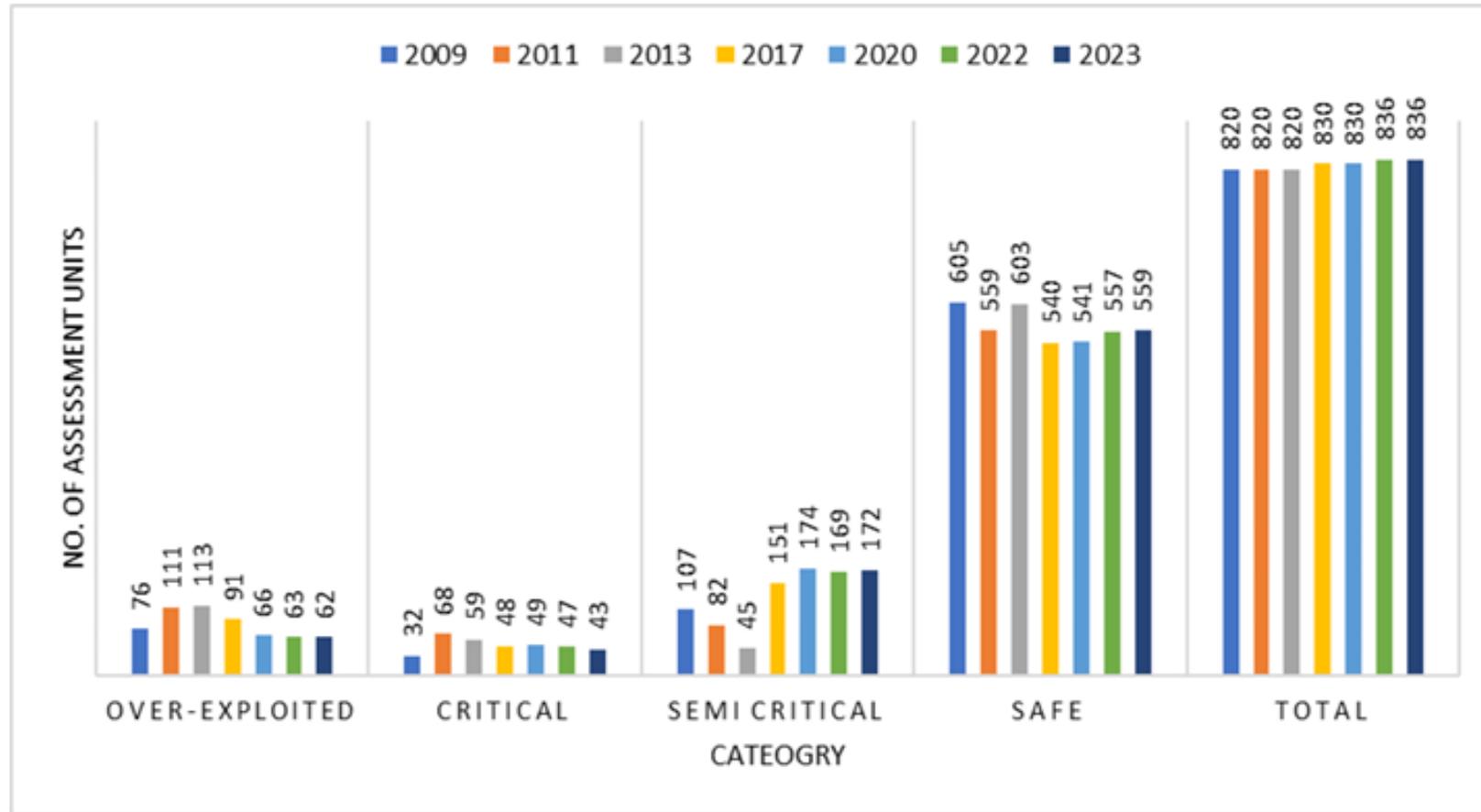
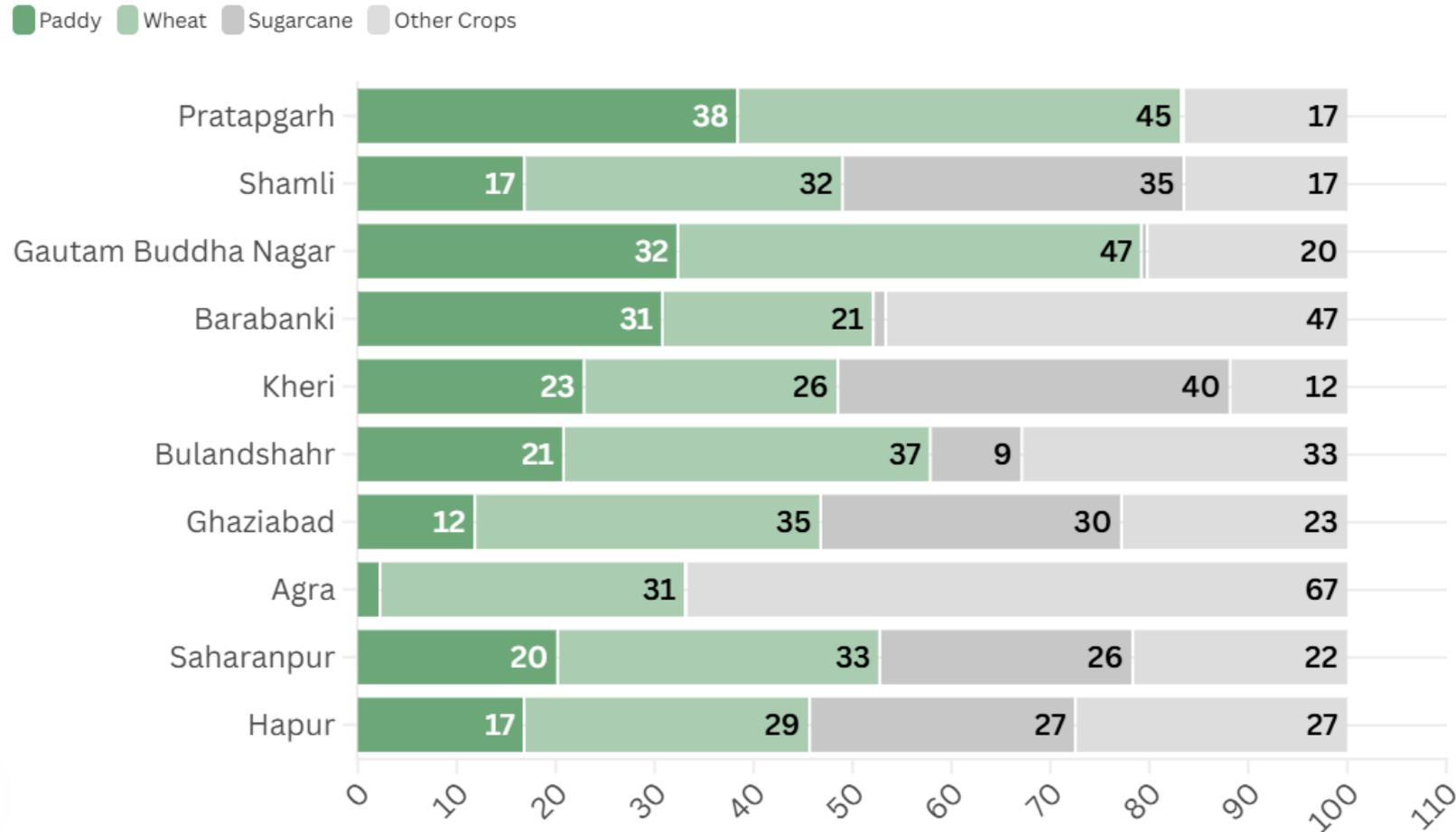


Figure 15: Comparison of Assessment Units in GWRE-2009, 2011, 2013, 2017, 2020, 2022,2023 and 2024



Source: [Directorate of Economics and Statistics, Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture & Farmers Welfare](#) • Chart made by Varsha Singh

- State level innovative programs like UPMIP (UP Micro Irrigation Project) – with assistance from the 2030 WRG, World Bank
- Village level water committees (VWSC etc) need to be strengthened and encouraged to monitor groundwater levels and undertake source protection measures with available resources from any program. This is a good level for convergence with other programs.
- This can start with blocks that are stressed and depend on groundwater.
- Water Budgeting/ Water Balance Estimation is a good starting point in water stressed areas to encourage communities to take actions. These can be supply-management side and/or demand-management side.

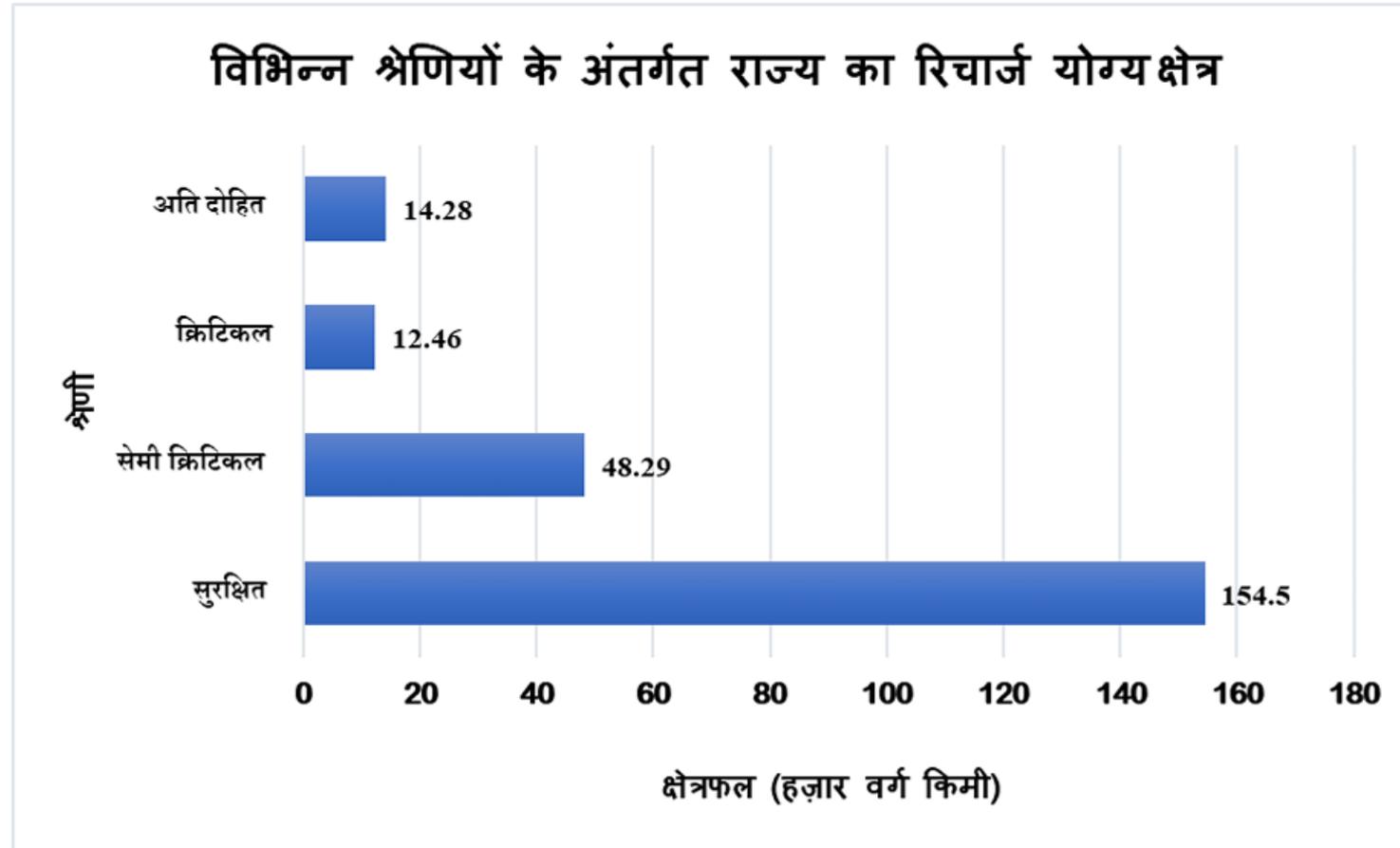


Figure 6: Recharge worthy area of state under different categories

Thanks

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