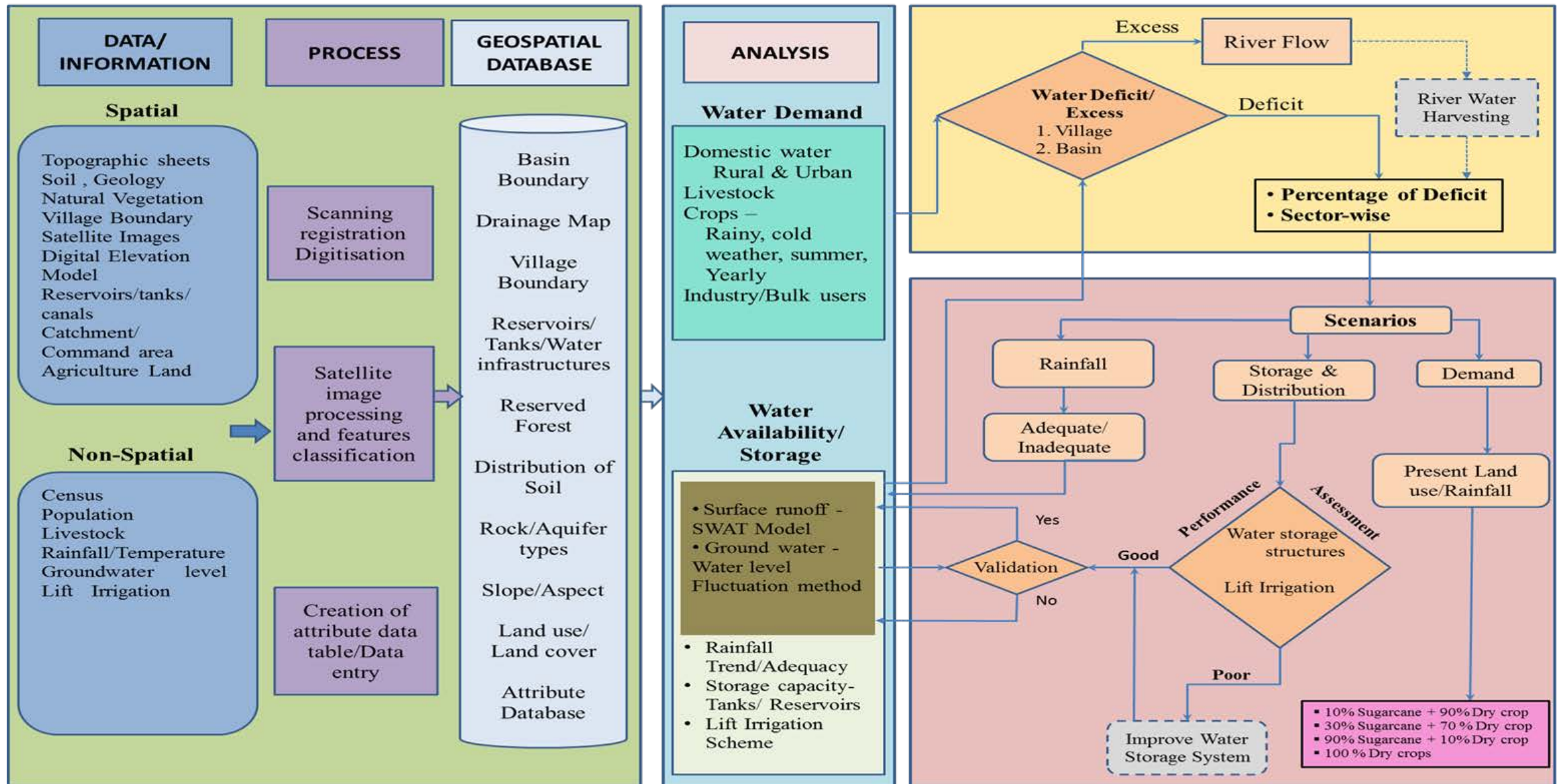
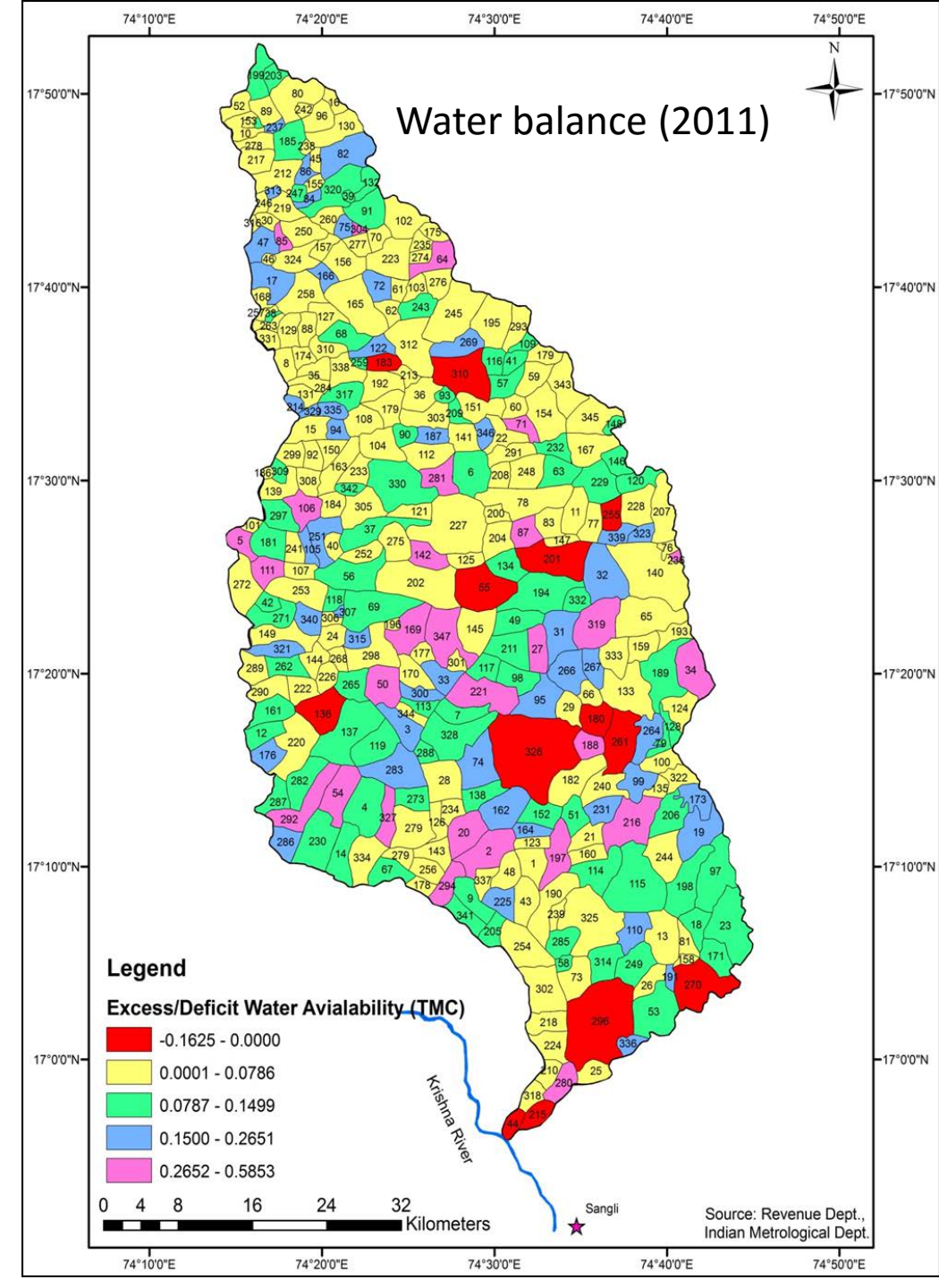
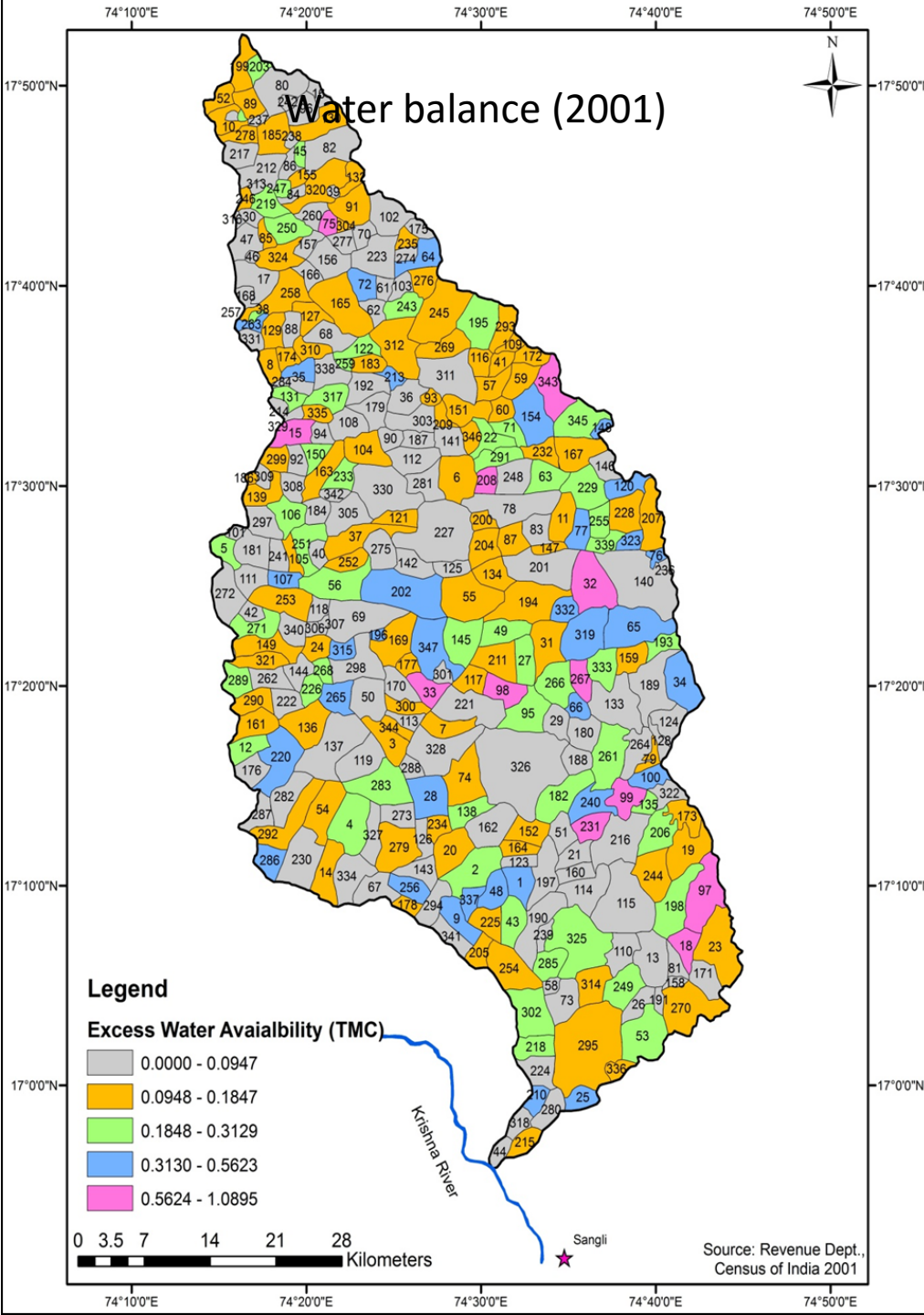
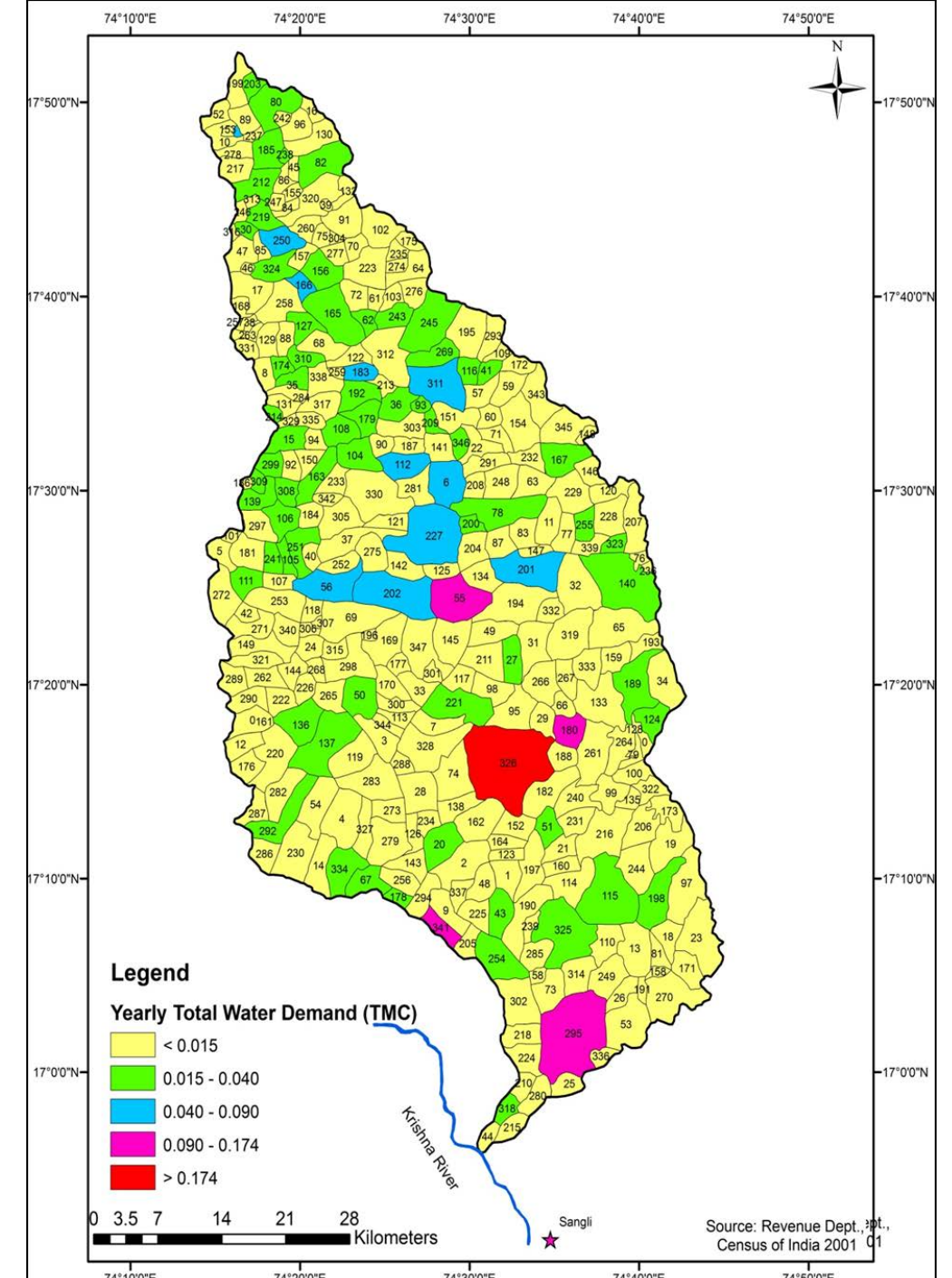
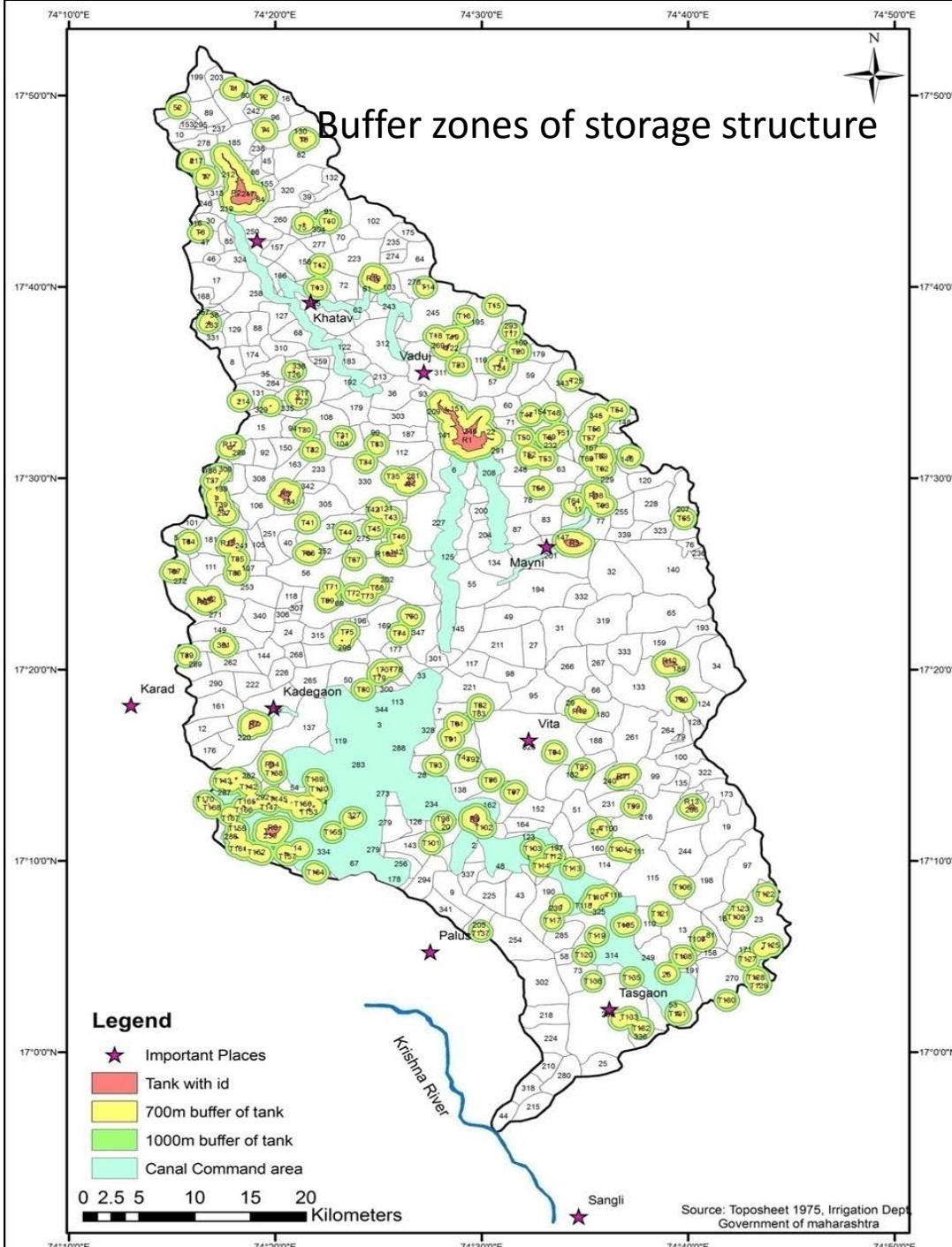


Water security assessment

Water Security Assessment Model – Semi Arid Basin/Villages







Crop type variation, irrigation type and sustenance of water

Sr. No.	Description	Sector		Total demand (TMC)		Runoff (mm)
		2001	2011	2001	2011	2001
1	Domestic	0.706	0.764			50.31(100%) 25.15 (50%) Rainfall (513.3mm)
2	Livestock	0.389	0.409			
3	Agriculture					
3A	a. 10 % Sugarcane + 90% Dry crops (Open Channel	20.04	22.71	21.135	23.873	
	b. 10 % Sugarcane + 90% Dry crops (Drip)	16.75	18.97	17.845	20.148	
3B	a. 30 % Sugarcane + 70 % dry crops (Open channel)	30.22	37.07	31.315	38.243	
	b. 30 % Sugarcane + 70 % dry crops (Drip)	20.34	24.46	21.441	25.638	
3C	a. 90 % Sugarcane + 10 % dry crops (Open channel)	60.74	77.33	61.835	78.503	
	b. 90% Sugarcane + 10 % dry crops (Drip)	31.11	39.51	32.211	40.683	
3D	a. 100% dry crops (Open channel)	14.96	16.94	16.055	18.113	
	b. 100 % dry crops (Drip)	10.47	11.85	11.565	13.023	

(Source: Abhijit 2014)

Thank you