

Reference	Spatia datasets							
	LULC	Slope	Geology	Drainage Density	Soils	Lineament Density	Precipitation	Geomorphology
Achu et al. 2020	x	x	x	x	x	x		x
Al-Djazouli et al. 2021	x	x	x	x		x	x	
Arulbalaji et al. 2019	x	x	x	x	x	x	x	x
Chatterjee et al. 2020	x		x		x		x	
Derdour et al. 2022	x	x	x	x		x	x	
Fauzia et al. 2021	x	x	x	x	x	x		x
Gupta et al. 2021	x	x	x	x	x	x	x	x
Hasan et al. 2022		x	x	x				x
Jaafarzadeh et al. 2021	x	x	x	x	x		x	
Jesiya & Gopinath 2020	x	x	x	x	x	x		x
Kumar et al. 2015	x	x	x		x			x
Mitra R. & Roy D. 2022	x	x	x	x	x	x	x	x
Mukherjee et al. 2012	x	x	x	x	x	x	x	x
Nasir et al. 2018	x	x	x	x	x	x	x	
Panahi et al. 2017	x	x	x	x	x	x	x	
Pande et al. 2021	x	x			x			x
Phong et al. 2021	x	x	x				x	
Rani et al. 2022	x	x	x	x	x	x		x
Saranya & Saravanan 2020	x	x	x	x	x	x	x	x
Selvam et al. 2015	x	x	x	x	x	x	x	
Singh et al. 2018	x	x	x	x	x			
Singh et al. 2019	x	x	x	x	x			
Yeh et al. 2014	x	x	x	x		x		
# of studies per dataset	22	22	22	19	18	15	13	12

Reference	Spatia datasets								
	Elevation	TWI	Aspect	Groundwater level	Curvature	Distance to Rivers	NDVI	Distance to faults	Fissure
Achu et al. 2020									
Al-Djazouli et al. 2021									
Arulbalaji et al. 2019		x			x				
Chatterjee et al. 2020		x							
Derdour et al. 2022	x			x					
Fauzia et al. 2021									x
Gupta et al. 2021									
Hasan et al. 2022									
Jaafarzadeh et al. 2021		x	x		x	x	x	x	
Jesiya & Gopinath 2020									
Kumar et al. 2016									
Mitra R. & Roy D. 2022	x			x					
Mukherjee et al. 2012				x					
Nasir et al. 2018									
Panahi et al. 2017									
Pande et al. 2021			x	x			x		
Phong et al. 2021	x	x	x		x	x		x	
Rani et al. 2022	x								
Saranya & Saravanan 2020	x								
Selvam et al. 2014									
Singh et al. 2018						x			
Singh et al. 2019			x						
Yeh et al. 2014									
# of studies per dataset	5	4	4	4	3	3	2	2	1

Reference	Spatia datasets							
	Roughness	Hillshade	Flow Direction	Flow Accumulation	Runoff Coefficient	SPI	TPI	Well yield
Achu et al. 2020								
Al-Djazouli et al. 2021								
Arulbalaji et al. 2019	x						x	
Chatterjee et al. 2020								
Derdour et al. 2022								
Fauzia et al. 2021								
Gupta et al. 2021								
Hasan et al. 2022								
Jaafarzadeh et al. 2021						x		
Jesiya & Gopinath 2020								
Kumar et al. 2016								
Mitra R. & Roy D. 2022								
Mukherjee et al. 2012								
Nasir et al. 2018								
Panahi et al. 2017								
Pande et al. 2021		x	x					
Phong et al. 2021				x				x
Rani et al. 2022								
Saranya & Saravanan 2020								
Selvam et al. 2014								
Singh et al. 2018					x			
Singh et al. 2019								
Yeh et al. 2014								
# of studies per dataset	1	1	1	1	1	1	1	1

Reference	Spatia datasets			# of Parameters
	Aquifer transmissivity	Depth to basement	Infiltration Rate	
Achu et al. 2020				7
Al-Djazouli et al. 2021				6
Arulbalaji et al. 2019				12
Chatterjee et al. 2020				5
Derdour et al. 2022				8
Fauzia et al. 2021		x	x	10
Gupta et al. 2021				8
Hasan et al. 2022	x			5
Jaafarzadeh et al. 2021				13
Jesiya & Gopinath 2020				7
Kumar et al. 2016				5
Mitra R. & Roy D. 2022				10
Mukherjee et al. 2012				9
Nasir et al. 2018				7
Panahi et al. 2017				7
Pande et al. 2021				9
Phong et al. 2021				12
Rani et al. 2022				8
Saranya & Saravanan 2020				9
Selvam et al. 2014				7
Singh et al. 2018				7
Singh et al. 2019				6
Yeh et al. 2014				5
# of studies per dataset	1	1	1	