

Report on Prioritization of Micro Watersheds in 2B1A (Part) Sub Catchment 2B1 (Ghaghra) Catchment, Upper Ganges River Basin (Non RVP) Gopalganj, Saran, Siwan Districts of Bihar, Ballia, Deoria and Kushinagar Districts of Uttar Pradesh.

ABSTRACT

1. **Survey Area:** - 2B1A sub Catchment (Part) of lower confluence part of Ghaghra with Ganga (Ganga Basin)
2. **Location:** -
 - a). Latitude: $25^{\circ} - 44'$ to $26^{\circ} - 53'$ N
 - b). Longitude: $84^{\circ} - 0'$ to $84^{\circ} - 49'$ E
 - c). Agro Climatic Region: IV Middle Gangetic Plain Region.
 - d). Soil Conservation Zone No.3 Indo Gangetic and other Alluvial Plains Region.
3. **Type of Survey:** Rapid Reconnaissance Survey for Priority Delineation.
4. **Period of Survey:** November, 1999 to June, 2000.
5. **Base Map:** Survey of India Topographical Maps of 1: 50,000 Scale.
6. **Hydrological Sub-Division:** Catchment - 2B1
 Sub Catchment - 2B1A
 Watersheds - 1, 3 & 4.
 Sub Watersheds - 51
 Micro Watersheds - 318
7. **Total Area:** 3, 58,249 hectares.
8. **Areal extent of different Run off Potential Mapping Units:**

895

Parent Material: (A) Alluvium

S. No.	Mapping Units	Run-Off Potential	Area in Ha.	% of Total Area
1.	A1	55	11611	3.24
2.	A2	66	2455	0.69
3.	A3	62	1127	0.31
4.	A5	57	3321	0.93
5.	A6	55	4519	1.26
6.	A7	56	27149	7.58
7.	A9	59	9940	2.77
8.	A10	56	87671	24.47
9.	A11	55	186631	52.10
	Total		3,34,424	93.3
	Miscellaneous		23825	6.65
	Grand Total		3,58,249	100.0

9. Gradation of Micro Watersheds of 2B1A Sub Catchment in to Different Priority Categories.

S. No.	Priority Category	R.P.I Range	No. of Micro Watersheds	Area in Ha.	Percentage (%)
1.	Very High	>65	-	-	-
2.	High	60-64	1	1762	0.5
3.	Medium	55-59	317	356487	99.5
4.	Low	<55	-	-	-
	Total		318	358249	100.0

10. Watershed wise Distribution Pattern of Micro Watersheds of 2B1A (Part) Sub Catchment in to Priority Categories.

S. No.	Watersheds Code	Priority Category/Number/Area in Ha./Percentage		Total
		High	Medium	
1.	2B1A1	-	30 44903 12.5	30 44903 12.5
2.	2B1A3	-	153 1,63,423 45.6	153 1,63,423 45.6
3.	2B1A4	1 1762 0.5	134 148161 41.4	135 1,49,923 41.9
	Total	1 1762 0.5	317 3,56,487 99.5	318 3,58,249 100.0

11. District wise distribution of Priority Area (ha.) of 2B1A (Part) Sub Catchment with Percentage in parenthesis:

S. No.	Watershed Code	Priority Grouping	Uttar Pradesh			Bihar			Total %
			Ballia	Deoria	Kushinagar	Gopalganj	Saran	Siwan	
1.	2B1A1,3 & 4	High	1102 (0.31)	-	-	-	-	660 (0.18)	1762 (0.5)
		Medium	4391 (1.22)	17310 (4.83)	45445 (12.69)	92105 (25.71)	56603 (15.80)	140633 (39.26)	356487 (99.5)
	Total Percentage		5493 (1.53)	17310 (4.83)	45445 (12.69)	92105 (25.71)	56603 (15.80)	141293 (39.44)	358249 100.0