

Report on detailed soil survey and land use of Ba3b, Ba3c, Ba3d, Bb2k, Bg2g, Bg2h, Bg2j, Bg3c, Bj7d, Bj7g, Bk1c, Bk1d and Bk1f subwatersheds of Bansagar catchment (Sone F.P.R.), Tehsil Beohari, Bandhawagarh and Maihar, District Sahdol and Satna, Madhya Pradesh.

## A B S T R A C T

1. Survey area :- Priority subwatersheds Ba3b, Ba3c, Ba3d, Bb2k, Bg2g, Bg2h, Bg2j, Bg3c, Bj7d, Bj7g, Bk1c, Bk1d and Bk1f of Bansagar catchment (Sone F.P.R.), Tehsil-Beohari, Bandhwagarh and Maihar, district-Sahdol and Satna, Madhya Pradesh.
2. Type of survey :- Detailed soil survey.
3. Total area surveyed and mapped :- 25438 ha.
4. Period of surveyed :- January 95 to June 95 and November 95 to December 95.
5. Location :- It is Geographically located between  $23^{\circ}25'$  to  $24^{\circ}7'5''$  North latitudes and  $80^{\circ}35'$  to  $81^{\circ}14'$  East longitudes.
6. Agroclimatic Zone :- VIII Central Plateau and Hill regions.
7. Soil Conservation Regions :- Region-6, Mixed Red, Black and Yellow soils.

B-Soil Series and their distribution :-

Sl.No.	Soil Series	No. of identified mapping Units	Sub watersheds wise area in hac.and %					
			Ba3b	Ba3c	Ba3d	Bk1c	Bk1d	Bk1f
1.	Amwatikar	3	1098 4.3	583 2.3	109 0.4	152 0.6	161 0.6	328 1.3
2.	Birhulia	2	-	-	-	-	-	-
3.	Barahi	5	-	-	-	-	-	-
4.	Baturwah	2	-	-	-	18 0.1	32 0.1	6 0.02
5.	Chirkunda	3	65 0.3	137 0.5	43 0.2	222 0.9	32 0.1	100 0.4
6.	Khaira	2	-	-	-	-	-	-
7.	Kinamar	6	579 2.3	552 2.2	1083 4.3	836 3.2	357 1.4	206 0.8
8.	Kuntensar	4	-	-	-	-	-	-
9.	Paurikhurd	5	111 0.4	116 0.5	561 2.2	153 0.6	85 0.3	39 0.1
10.	Salodeeh	4	425 1.7	234 0.9	508 2.0	569 2.3	114 0.5	267 1.1
11.	Victoria	4	-	-	-	253 1.0	45 0.2	69 0.3
12.	Zalim	3	-	-	-	28 0.1	-	-
Total of mapping units		43	2278 9.0	1622 6.4	2304 9.1	2231 8.8	826 3.2	1015 4.0
Miscellaneous area (Road,Habitation,River)			72 0.2	91 0.4	96 0.4	119 0.5	24 0.1	35 0.2
Grand total		43	2350 9.2	1713 6.7	2400 9.4	2350 9.2	850 3.3	1050 4.1

Sl. No.	Soil Series identified	No. of mapp. Units	Sub watersheds wise area in hac. and %							Total and %	
			Bg2g	Bg2h	Bg2j	Bg3c	Bj7d	Bj7g	Bb2k		
1.	Amwatikar	3	804 3.2	954 3.7	772 3.0	553 2.2	404 1.6	786 3.1	296 1.2	7000 27.5	
2.	Birhulia	2	-	-	-	-	94 0.4	210 0.8	-	304 1.2	
3.	Barahi	5	310 1.2	241 1.0	308 1.2	503 2.0	22 0.1	-	9 0.03	1393 5.5	
4.	Baturwah	2	-	-	-	40 0.2	-	-	-	96 0.4	
5.	Chirkunda	3	-	20 0.1	-	117 0.4	123 0.4	-	183 0.7	1042 4.1	
6.	Khaira	2	-	-	-	-	62 0.2	230 0.8	-	292 1.0	
7.	Kinamar	6	195 0.8	383 1.5	180 0.7	102 0.4	259 1.0	189 0.7	626 2.5	5547 21.8	
8.	Kuntensar	4	-	-	-	-	97 0.4	261 1.0	-	358 1.4	
9.	Paurikhurd	5	70 0.3	-	60 0.2	150 0.6	204 0.8	-	402 1.7	1951 7.7	
10.	Salodeeh	4	36 0.1	225 0.8	157 0.6	250 1.0	329 1.3	40 0.2	651 2.4	3805 15.0	
11.	Victoria	4	480 1.9	122 0.5	239 1.0	552 2.1	-	-	110 0.4	1870 7.4	
12.	Zalim	3	28 0.1	-	-	495 1.9	-	-	14 0.1	565 2.2	
Total of mapping units			43 7.6	1923 7.6	1945 6.7	1716 6.7	2762 10.9	1594 6.2	1716 6.7	2291 9.0	24223 95.2
Miscellaneous area (Road, Hab., River)			127 0.5	80 0.3	34 0.1	238 0.9	81 0.3	9 0.1	209 0.8	1215 4.8	
Grand total			43 8.1	2050 8.0	1750 6.9	3000 12.0	1675 6.5	1725 6.8	2500 9.8	25438 100%	