Report on Detailed Soil and Land Use Survey of Ba3b, Ba3c, Ba3d, Ba3h, Ba3j, Ba3m, Ba3n and Ba3p subwatersheds of Bajaj Sagar Catchment, Mahi R.V.P., District - Banaswara and Chhittorgarh(Rajasthan).

A B S T R A C T

(1)	Survey Area	:	Ba3b, Ba3c, Ba3d, Ba3h, Ba3j, Ba3m, Ba3n and Ba3p subwatersheds of Bajajsagar Catchment, Mahi R.V.P.
(2)	Agro Climatic Zone	:	9
(3)	Location	:	$23^{o}34'$ to $23^{o}43'$ N Latitude $74^{o}37'$ to $74^{o}51'$ E Longitude.
(4)	Total Area	:	17039 ha.
(5)	Kind of Survey	:	Detailed Soil Survey
(6)	Period of Survey	:	January, 1993 to April, 1993.

Subwatershedswise area under different Soil Series

(Area in ha.)

Sl. No.	Soil Series	Subwatershed								
		Ba3b	Ba3c	Ba3d	Ba3h	Ba3j	Ba3m	Ba3n	Ba3p	Total
1.	Baloda	-	-	-	-	-	287	85	15	387 (2.4)
2.	Daulat-pura	47	39	24	16	108	121	337	44	736 (4.3)
3.	Jaggakheri	7	58	3	36	56	238	59	-	457 (2.7)
4.	Jhirnia	-	-	-	-	7	45	69	-	121 (0.7%)
5.	Kamliakheri	81	239	124	235	225	284	400	206	1794 (10.5)
6.	Mundri	222	1539	1591	1908	1024	943	733	607	8567 (50.3)
7.	Pancharia	88	380	365	335	476	636	409	117	2806 (16.5)
8.	Runeja	27	79	26	42	144	224	176	163	881 (5.2)
9.	Sarol	-	-	38	4	7	3	11	-	63 (0.4)
	Sub-total	472	2334	2171	2576	2047	2781	2279	1152	15812 (92.8)
	Miscelli-enous area	342	161	180	126	83	156	144	35	1227 (7.2)
	Grand Total	814	2495	2351	2702	2130	2937	2423	1187	17039 (100)

Subwatershedwise area under different land capability classes

(Area in ha)

Sl. No.	Land Capability class	Subwatersheds								Total
		Ba3b	Ba3c	Ba3d	Ba3h	Ba3j	Ba3m	Ba3n	Ba3p	
1.	III	130	216	63	101	223	829	884	244	2695 (15.8)
2.	IV	178	900	1128	1029	665	561	541	368	5370 (31.5)
3.	VI	88	380	365	325	475	720	393	107	2853 (16.8)
4.	VII	76	532	370	127	394	51	53	-	1603 (9.4)
Total		472	2028	1931	1582	1757	2161	1871	719	12521 (73.5)
Forest		-	306	240	994	290	620	408	433	3291 (19.3)
Misc.		342	161	180	126	83	156	144	35	1227 (7.2)
Grand Total		814	2495	2351	2702	2130	2937	2423	1187	17039 (100)

(Figures in parenthesis are the percentage)

9. Salient Features:

- Nearly 2547 ha(14.9%) area has moderate and about 13265 ha(77.9%) has severe erosion problem.

- Very shallow to shallow soils cover an area of 12254 ha(71.9%).

- The area has enough scope for Silviculture, pasture, animal husbandry and paultry development.

- Nine soil series are mapped in the survey area but only Mundri, Panchdaria, and Kamliakheri Series are relatively extensive. Three of them covering over 75%.

- About 50% of the area has slopes over 10%.