

Detailed Soil Survey and Land Use of Mahi Nadi Watershed - Bg3a and Bg3b Subwatersheds and Bageri Nadi Watershed - Bg4a, Bg4b, Bg4j, Bg4k and Bg5b subwatersheds, Bajaj Sagar Catchment, Mahi R.V.P., Districts Ratlam and Dhar, Madhya Pradesh.

CONSOLIDATED ABSTRACT OF 7 SUBWATERSHEDS

1. Surveyed area : Mahi Nadi Watersheds : Bg3a and Bg3b.
Bageri Nadi watersheds : Bg4a, Bg4b, Bg4j, Bg4k and Bg5b.
Tehsils: Bajena, Ratlam and Badnawar.
Districts: Ratlam and Dhar(M.P.)
2. Location : Latitudes: $23^{\circ}07'$ - $23^{\circ}16'$ N
Longitudes: $74^{\circ}56'$ - $75^{\circ}11'$ E
3. Total surveyed area : 17,480 ha.
4. Kind of Survey : Detailed Soil Survey
5. Period of survey : April 1984 to March, 1985.

7. Subwatershedwise area under different land capability classes

(Area in ha.)

Sl. No.	Land Capability Class	Total area (%)	Subwatersheds						
			Bg3a (%)	Bg3b (%)	Bg4a (%)	Bg4b (%)	Bg4j (%)	Bg4k (%)	Bg5b (%)
1.	II	823 (4.7)	56 (2.4)	196 (4.9)	34 (1.4)	45 (2.9)	225 (9.7)	153 (9.7)	114 (3.5)
2.	III	1457 (8.3)	203 (8.8)	369 (9.1)	91 (3.8)	30 (1.9)	245 (10.5)	88 (5.5)	431 (13.2)
3.	IV	1360 (7.8)	200 (8.7)	271 (6.7)	70 (2.9)	60 (3.9)	254 (11.0)	151 (9.6)	354 (10.8)
4.	VI	6223 (35.6)	1063 (46.1)	603 (14.9)	1205 (49.9)	677 (43.9)	847 (36.5)	350 (22.0)	1478 (45.3)
5.	VII	749 (4.3)	74 (3.2)	573 (14.2)	27 (1.1)	14 (0.9)	51 (2.2)	10 (0.6)	-
	Forest land(P/M)	6205 (35.5)	618 (26.8)	1920 (47.5)	889 (36.8)	654 (42.4)	568 (24.4)	789 (49.7)	767 (23.5)
	Sub-total	16817 (96.2)	2214 (96.0)	3932 (97.3)	2316 (95.9)	1480 (95.9)	2190 (94.3)	1541 (97.1)	3144 (96.3)
	Misc. lands	663 (3.8)	91 (4.0)	110 (2.7)	98 (4.1)	63 (4.1)	133 (5.7)	46 (2.9)	122 (3.7)
	Grand Total	17480 (100.0)	2305 (100.0)	4042 (100.0)	2414 (100.0)	1543 (100.0)	2323 (100.0)	1587 (100.0)	3266 (100.0)

8. Subwatershed-wise area under different erosion units

S.No.	Erosion Units	Total area (%)	Subwatersheds						
			Bg3a Area (%)	Bg3b Area (%)	Bg4a Area (%)	Bg4b Area (%)	Bg4g Area (%)	Bg4k Area (%)	Bg5b Area (%)
1.	e1	465 (2.7)	10 (0.4)	121 (3.0)	22 (0.9)	45 (2.9)	126 (5.5)	46 (2.9)	95 (2.9)
2.	e2	3096 (17.7)	409 (17.7)	678 (16.8)	136 (5.6)	81 (5.2)	614 (26.4)	334 (21.0)	844 (25.9)
3.	e3	13256 (75.8)	1795 (77.9)	3133 (77.5)	2158 (89.9)	1354 (87.8)	1450 (62.4)	1161 (73.2)	2205 (67.5)
Sub-total		16817 (96.2)	2214 (96.0)	3932 (97.3)	2316 (95.9)	1480 (95.9)	2190 (94.3)	1541 (97.1)	3144 (96.3)
Misc. lands		663 (3.8)	91 (4.0)	110 (2.7)	98 (4.1)	63 (4.1)	133 (5.7)	46 (2.9)	122 (3.7)
Grand total		17480 (100.0)	2305 (100.0)	4042 (100.0)	2414 (100.0)	1543 (100.0)	2323 (100.0)	1587 (100.0)	3266 (100.0)

