

Detailed Soil and Land Use Survey of Mblf, Mblg, Mblh, Mbli and Mblj subwatersheds of Mahi R.V.P. Catchment, Tehsil Jhalod, Limkhera and Santrampur District Panchmahal, State Gujarat.

### A B S T R A C T

1. Surveyed Area : Mblf, mblg, mblh, mbli and Mblj subwatersheds of Mahi R.V.P. Catchment.
2. Agroclimatic Zone : 13 (Gujarat plains and hills regions)
3. Location :  $73^{\circ}54'$  &  $74^{\circ}03'$  E Longitude  
 $22^{\circ}59'$  &  $23^{\circ}06'$  N Latitude
4. Total Area : 10938 ha.
5. Type of Survey : Detailed Soil Survey.
- (a) Base Map : Cadastral Map
- (b) Scale : 1:4000 / 8000
6. Period of Survey : December, 1993 to April, 1994.

## 7. Soil Series with extent under each sub watershed :

(Area in hac.)

Sl. No.	Soil Series	No. of Soil Mapping Unit	Subwatershed-wise area in hac.					Total
			Mb <sub>1f</sub>	Mb <sub>1g</sub>	Mb <sub>1h</sub>	Mb <sub>12</sub>	Mb <sub>1J</sub>	
1	2	3	4	5	6	7	8	9
1.	Babarole	4	71 (0.6)	61 (0.6)	442 (4.0)	105 (1.0)	96 (0.9)	775 (7.1)
2.	Mulatpura	1	-	14 (0.1)	14 (0.1)	42 (0.4)	233 (2.1)	303 (2.8)
3.	Dungar	4	293 (2.7)	284 (2.6)	249 (2.3)	155 (1.4)	67 (0.6)	1048 (9.5)
4.	Jher	4	514 (4.7)	1061 (9.7)	211 (2.0)	345 (3.1)	632 (5.7)	2763 (25.9)
5.	Kamliakheri	3	-	-	-	175 (1.6)	212 (2.0)	387 (3.5)
6.	Mundri	2	-	-	-	641 (5.9)	812 (7.4)	1453 (13.1)

8. Subwatershed wise distribution of area under different land Capability Class (Area in ha.)

Sl. No.	Subwatershed	Land Capability Classes					Forest Land (P/M)	Misc. Land	Total
		II	III	IV	VI	VII			
1.	Mb <sub>1</sub> f	978 (8.9)	408 (3.7)	36 (0.3)	22 (0.2)	2 (0.1)	490 (4.5)	105 (1.0)	2041 (18.5)
2.	Mb <sub>1</sub> g	930 (8.5)	380 (3.5)	-	42 (0.4)	15 (0.1)	1004 (9.1)	76 (0.7)	2447 (22.2)
3.	Mb <sub>1</sub> h	833 (7.6)	122 (1.1)	37 (0.4)	14 (0.1)	-	197 (1.9)	106 (1.0)	1309 (12.8)
4.	Mb <sub>1</sub> j2	437 (4.0)	345 (3.2)	163 (1.5)	126 (1.1)	14 (0.1)	846 (7.7)	157 (1.4)	2088 (18.9)
5.	Mb <sub>1</sub> j	522 (4.8)	893 (8.1)	70 (0.6)	109 (1.1)	21 (0.2)	1314 (12.0)	124 (1.1)	3053 (27.6)
Total		3700	2148	306	313	52	3851	568	10938
(% )		(33.8)	(19.6)	(2.8)	(2.9)	(0.5)	(35.2)	(5.2)	(100.0)

(Figures in parenthesis are the percentages)

1	2	3	4	5	6	7	8	9
7.	Valunda	4	671 (6.1)	621 (5.7)	179 (1.6)	214 (2.0)	397 (3.6)	2082 (18.8)
8.	Wadwas	3	387 (3.5)	330 (3.0)	108 (1.0)	254 (2.3)	480 (4.4)	1559 (14.1)
	Miscellaneous	-	105 (1.0)	76 (0.7)	106 (1.0)	157 (2.3)	124 (4.4)	568 (5.2)
	Grand Total (%)	25	2041 (18.6)	2447 (22.4)	1309 (12.0)	2088 (19.1)	3053 (27.9)	10938 (100.0)

(Figures in parenthesis are percentages)

NOTE ; Miscellaneous area includes area under Stream, Tank, Road and Habitation:

