ABSTRACT

Survey area : Borai watershed in Bilaspur district, Madhya Pradesh, Mahanadi Catchment.

(a) Total area reported and mapped : 29100 ha.

(b) Period of survey : December, 1970 to March, 1972.

Soil series mapped and area covered by each in ha.

Soil series (Symbol)		Non-RF-areas Area in Ha.	%	Reserved Forest Ha.	%	Total Ha.	%
1) Adpathra	(A)	314	1.4	791	24.4	1105	4.3
2) Bawankera	(B)	886	4.0	39	1.1	925	3.6
3) Baisi	(BS)	35	0.2	-	-	35	0.1
4) Chhal	(C)	101	0.4	-	-	101	0.4
5) Chhoda	(CD)	2466	11.2	-	-	2466	9.7
6) Dhoram	(D)	294	1.3	-	-	294	1.2
7) Dumarpali	(DP)	557	2.5	8	0.2	565	2.2
8) Fulwari	(F)	401	1.8	12	0.4	413	1.6
9) Jatri	(J)	9155	41.5	34	1.0	9189	36.3
10) Kutela	(K)	67	0.3	-	-	67	0.3
11) Laripani	(L)	2	-	2253	69.4	2255	8.9
12) Nandeli	(N)	565	2.5	74	2.3	639	2.5
13) Nawagaon	(NG)	6599	29.9	32	1.0	6631	26.2
14) Porda	(P)	110	0.5	-	-	110	0.4
15) Patewa	(PT)	115	0.5	5	0.2	120	0.5
16) Suabahara	(SB)	383	1.7	-	-	383	1.5
Misc area (Habitation, Tank) Rock out crops, etc.		-	-	-	-	-	-
Total		22050		3248		25298	
Miscellaneous areas, Tanks Rock out crops, habitation etc.		-	-	-	-	3802	
						Grand Total	29100

Land Capability Classification (exclouding R.F.) :

Land Capability Unit	Area in ha.	Soil series.
II-1 - - - 1791 - - -	370 - - - - - - - -	a. Chhal b. Dhoram
II-2 - - - - - - - - - -	12,708 - - - - - - - -	a. Fulwari b. Jatri c. Nawagaon d. Suabahara.
IIw-1 - - - - - - - - - - -	2,726 - - - - - - - -	a. Baisi b. Choda. c. Porda d. Patewa
IIe-1 - - - - - - - - - - -	363 - - - - - - - -	a. Bawankera.
IIe-2 - - - - - - - - - - -	1,744 - - - - - - - -	a. Jatri b. Kutela c. Nandeli d. Nawagaon. e. Suabahara.
IIIs-1 - - - 1066 - - - -	229 - - - - - - - -	a. Nandeli
IIIe-1 - - - - - - - - - -	154 - - - - - - - -	a. Bawankara
IIIe-2 - - - - - - - - - -	466 - - - - - - - -	a. Jatri b. Nawagaon
IIIes-1 - - - - - - - - - -	217 - - - - - - - -	a. Nandeli
IVe-1 - - - - - - - - - -	101 - - - - - - - -	a. Chhal.
IVe-2 - - - 545 - - - - -	646 - - - - - - - -	a. Bawankera. b. Nawagaon.
VIe-1 - - - - - - 2107	1,453 - - - - - - -	a. Jatri b. Kutela c. Nawagaon d. Suabahara
VIes-1 - - - - - -	97 - - - - - - -	a. Adpathra
VIes-2 - - - - - -	557 - - - - - - -	a. Dumarpali.
VIIes-1 - - - - - -	219 - - - - - - -	a. Adpathra b. Laripani

Specific problems :

Nature of problem :	Area in ha.	Soil series.
(a) Severe to very severe soil erosion and gullied area.	3,075 and 3,118 (R.F.)	a. Adpathra b. Bawankera c. Chhal d. Dumarpali e. Jatri f. Kutela g. Laripani h. Nawagaon i. Suabahara
(b) Seasonal overflowing and waterlogging	2,726	a. Baisi b. Choda c. Porda d. Patewa.