

Report on Detailed Soil Survey and Land use of Nh7b, Nh7d, Nh7h, Nh8a, Nh8b, Nh8c, Nh8h, and Nh8k, Subwatersheds of Narmada Catchment, Tehshil : Khandwa, District : Khandwa and Tehshil: Barwah District: Khargon, Madhya Pradesh.

ABSTRACT

1. Survey area : - Nh7b, Nh7d, Nh7h, Nh8a, Nh8b, Nh8c, Nh8h, and Nh8k Sub watersheds of Narmada Catchment, Madhya Pradesh.

2.a. Total Area mapped and Reported : - 10,695ha.

b. Type of Survey : - Detailed Soil Survey.

c. Period of Survey : - December 1998 to March 1999.

3. Soil Series mapped and area covered by each unit (in hectare)

Sr. No.	Name of the soil series and symbol	Subwatershed								Total area in ha
		Nh7b	Nh7d	Nh7h	Nh8a	Nh8b	Nh8c	Nh8h	Nh8k	
1	Bandariya (B)	-	6 (1.1)	54 (9.9)	-	-	-	-	-	60 (0.6)
2	Dhanwara (DN)	387 (12.1)	36 (6.9)	-	-	-	-	-	-	423 (4.00)
3	Jorpha (J)	415 (12.9)	198 (37.9)	92 (16.8)	45 (5.9)	-	-	-	-	750 (7.0)
4	Khardi (KH)	1379 (43.0)	21 (4.0)	151 (27.7)	-	-	-	-	-	1551 (14.5)
5	Narmada (N)	417 (13.0)	180 (34.5)	135 (24.7)	-	-	-	-	-	732 (6.8)
6	Palkha (PK)	62 (1.9)	16 (3.1)	-	-	-	-	-	-	78 (0.7)
7	Piplya (P)	428 (13.3)	-	53 (9.7)	-	-	-	-	-	481 (4.5)
8	Punsa (PN)	10 (0.3)	-	-	415 (54.0)	714 (65.6)	866 (71.9)	1251 (83.7)	1438 (77.2)	4694 (43.9)
9	Rekla (RK)	-	-	-	73 (9.5)	178 (16.3)	180 (14.9)	111 (7.5)	243 (13.1)	785 (7.3)
10	Sarnighat (S)	-	-	-	62 (8.1)	-	24 (2.0)	-	33 (1.8)	119 (1.1)
11	Tikari (T)	-	-	-	100 (13.0)	104 (9.5)	43 (3.6)	42 (2.8)	112 (6.0)	401 (3.8)

	Total Area	3098 (96.5)	457 (87.5)	485 (88.8)	695 (90.5)	996 (91.4)	1113 (92.4)	1404 (94.0)	1826 (98.1)	10074 (94.2)
	Misc. area, River, Hab. Road etc.	112 (3.5)	65 (12.5)	61 (11.2)	73 (9.5)	93 (8.6)	91 (7.6)	90 (6.0)	36 (1.9)	621 (5.8)
	Grand Total	3210 (100.0)	522 (100.0)	546 (100.0)	768 (100.0)	1089 (100.0)	1204 (100.0)	1494 (100.0)	1862 (100.0)	10695 (100.0)

4. Land Capability units and soil series mapped under each unit

Land Capability Class	Subwatersheds								Total area in ha (%)	Soil series mapped
	Nh7b	Nh7d	Nh7h	Nh8a	Nh8b	Nh8c	Nh8h	Nh8k		
1	2	3	4	5	6	7	8	9	10	11
IIs	484 (4.5)	71 (0.6)	125 (1.2)	- -	- -	- -	- -	- -	680 (6.3)	Dhanwara, Jharpa and Narmada.
IIses	435 (4.1)	194 (1.8)	8 (0.1)	33 (0.3)	- -	- -	- -	- -	670 (6.3)	Dhanwara, Jharpa and Narmada.
IIIses	571 (5.3)	102 (1.0)	101 (0.9)	- -	- -	- -	- -	- -	774 (7.2)	Jharpa, Narmada and Piplya.
IVes	1407 (13.1)	74 (0.7)	232 (2.2)	4 (-)	- -	- -	- -	- -	1713 (16.1)	Bandariya, Khardi, Narmada and Sarnighat.
VIses	201 (1.9)	16 (0.2)	19 (0.2)	- -	- -	- -	- -	- -	236 (2.2)	Palkha and Punasa.
VIIes	- -	- -	- -	- -	- -	- -	- -	- -	- -	-
Sub Total	3098 (29.0)	457 (4.3)	485 (4.5)	37 (0.3)	- -	- -	- -	- -	4077 (38.1)	-
Reserve Forest	- -	- -	- -	58 (6.2)	996 (9.3)	1113 (10.4)	1404 (16.1)	182 (17.1)	5997 (56.1)	-
Miscellaneous	112 (1.0)	65 (0.6)	61 (0.6)	- -	- -	- -	- -	- -	238 (2.2)	-
Miscellaneous R.F	- -	- -	- -	73 (0.7)	93 (0.9)	91 (0.9)	90 (0.8)	36 (0.3)	383 (3.6)	-
Grand Total	3210 (30.0)	522 (4.9)	546 (5.1)	768 (7.2)	1089 (10.2)	1204 (11.3)	1494 (13.9)	1862 (17.4)	10695 (100)	-