

REPORT ON DETAILED SOIL SURVEY AND LAND USE OF Nn8a, Nn8b, Nn8c, Nn8d .SUBWATERSHEDS NARMADA CATCHMENT, TAHSIL - KHIRKIYA DISTRICT HOSHANGABAD AND TAHSIL HARSUD, DISTRICT KHANDWA (M.P.)

A B S T R A C T

Surveyed area : Subwatersheds - Nn8a, Nn8b, Nn8c, Nn8d, Narmada catchment, Tahsil - Khirkiya of Hoshangabad district and Harsud tahsil of Khandwa district, Madhya Pradesh

- a) Total area : 8555 ha reported and mapped
- b) Type of survey : Detailed soil survey
- c) Period of survey : February 91 to June 91

3(i) Soil series mapped and area covered by each (ha) :

Sr. No.	Name of soil series	Total area in ha (%)	Subwatersheds			
			Nn8a	Nn8b	Nn8c	Nn8d
1.	Bandariya (B)	1962 23.4	283 12.8	941 38.6	279 17.6	459 21.3
2.	Chhipabad (CH)	580 6.9	114 6.2	179 7.3	90 5.7	197 9.2
3.	Dhanwara (D)	759 9.1	269 12.1	87 3.6	214 13.5	189 8.8
4.	Jharpa (J)	97 1.2	-	95 3.9	2 0.1	-
5.	Kamtada (KM)	94 1.1	76 3.4	13 0.5	5 0.3	-
6.	Kapsi (KP)	61 0.7	5 0.2	11 0.4	36 2.3	9 0.4
7.	Piplya (P)	132 1.6	41 1.9	28 1.1	49 3.1	14 0.6
8.	Pokharni (PR)	2201 26.3	403 18.2	840 34.5	366 23.2	592 27.5
9.	Tarapur (T)	1839 21.9	727 32.9	142 5.8	346 21.1	624 29.0
10.	Uda (U)	654 7.8	294 13.3	98 4.3	194 12.3	68 3.2
Total		8555 100.0	2212 100.0	2434 100.0	1581 100.0	2152 100.0

(ii) other features including habitations, River, Nala, Tanks, canals, roads and Rockout crops

176 47 75 18

Grand Total 8555 2259 2509 1599 21

4. Land capability classification :

Land capability sub-class	Subwatersheds				Total area in (ha) %	Soil series
	Nn8a	Nn8b	Nn8c	Nn8d		
IIs	217 9.8	99 4.1	41 2.6	243 11.3	600 7.2	1. Chhipaba 2. Dhanwar 3. Jharpa 4. Tarapur
IIes	687 31.3	364 15.0	510 32.3	375 17.4	1936 23.1	1. Chhipaba 2. Dhanwar 3. Jharpa 4. Tarapur 5. Uda
IIIes	618 27.9	888 36.5	489 30.9	625 29.1	2620 31.2	1. Chhipaba 2. Dhanwar 3. Jharpa 4. Tarapur 5. Uda 6. Piplya 7. Pokharn
IVes	510 23.1	217 8.9	254 16.1	528 24.5	1509 18.0	1. Jharpa 2. Tarapur 3. Uda 4. Piplya 5. Pokharn 6. Bandari 7. Kamtada
VIes	180 8.1	866 35.5	287 18.1	381 17.7	1714 20.5	1. Bandari 2. Kamtada 3. Kapsi
	2212 100.0	2434 100.0	1581 100.0	2152 100.0	8379 100.0	

5. Salient features and specific problems :

- The survey area is predominantly covered by deep to very deep soils (3,929 ha) accounting 46.9% of the total survey area of 8379 ha.
- An area of 4441 ha (53.0%) is under gentle slope.
- An area of 4959 ha (59.2%) suffers from moderate erosion hazards, whereas 2820 ha (33.6%) is having the problem of severe erosion hazards.