

REPORT ON DETAILED SOIL SURVEY AND LAND USE OF Nc7w, Nd8h,
Nd8j, Nf4v, Ng3h SUBWATERSHEDS OF NARMADA CATCHMENT,
TAHSIL MANAWARAND/OF DHAR DISTRICT AND THIKARI AND
MAHESHWAR TAHSIL OF KHARGON DISTRICT (M.P.)

A B S T R A C T

- Surveyed area : Subwatersheds - Nc7w, Nd8h,
Nd8j, Nf4v and Ng3h, Narmada
catchment, Tahsil Manawar and
Dhar of Dhar District and,
Maheshwar, Thikari of Khargon
District, Madhya Pradesh.
- a) Total area : 7940 ha reported and mapped
- b) Type of survey : Detailed Soil Survey
- c) Period of survey : December 95 to March 96

Soil series mapped and area covered by each in ha

Sr. No.	Name of soil series	Total area in ha (%)	Subwatersheds				
			Nc7w	Nd8h	Nd8j	Nf4v	Ng3h
1.	Dhanwara(D)	1178 (17.1)	118 (4.6)	206 (18.7)	459 (23.8)	208 (30.5)	187 (31.2)
2.	Junapani(J)	2787 (40.5)	2253 (87.6)	340 (30.8)	194 (10.1)	-	-
3.	Jharpa (Jh)	148 (2.1)	-	80 (7.2)	8 (0.4)	-	60 (10.0)
4.	Matpur(M)	1212 (17.6)	96 (3.7)	163 (14.8)	810 (42.1)	-	143 (23.8)
5.	Piplya(P)	391 (5.7)	105 (4.1)	-	191 (9.9)	-	95 (15.8)
6.	Tarapur(T)	895 (13.0)	-	207 (18.8)	147 (7.0)	474 (69.5)	67 (11.2)
7.	Uda (U)	273 (4.0)	-	108 (9.7)	117 (6.1)	-	48 (8.0)
Total		6884 100%	2572 100.0	1104 100.0	1926 100.0	682 100.0	600 100.0

(ii) Other features 1056 750 30 74 130 72
 including habi-
 tations River
 nala Tanks
 Road
 forest etc.

Grand Total 7940 3322 1134 2000 812 672

Land capability classifications

Land capabi- lity sub class	Subwatersheds					Total area in ha (%)	Soil series
	Nc7w	Nd8h	Nd8j	Nf4v	Ng3h		
IIes	12 (0.5)	306 (27.7)	338 (17.5)	379 (55.7)	155 (25.8)	1190 (17.5)	Dhanwara, Jharpa, Tarapur
IIIes	211 (8.2)	187 (16.9)	432 (22.4)	141 (20.6)	247 (41.2)	1218 (17.6)	Dhanwara, Jharpa, Piplya, Tarapur
IVes	53 (2.1)	142 (12.9)	404 (21.0)	162 (23.7)	102 (17.0)	863 (12.4)	Matpur, Piplya, Tarapur, Uda
VIes	43 (1.7)	129 (11.7)	558 (29.0)	-	96 (16.0)	826 (12.0)	Matpur, Piplya, Uda
VIIes	2253 (87.5)	340 (30.8)	194 (10.1)	-	-	2787 (40.5)	Junapani

Salient features and specific problems :

- The survey area is predominantly covered by deep to very deep soils 2494 ha (36.2%) of the total surveyed area 6884 ha.
- 52.5% (3613 Ha) of total survey area is under moderate to steep slope land.
- An area of 826 ha (12.0%) is under gentle slope
- An area of 2627 ha (38.2%) suffer from moderate erosion whereas 4257 ha (61.8%) area is having severe erosion hazards.