

REPORT ON DETAILED SOIL SURVEY AND LAND USE OF Nn4k, Nn4m
 Nn4q, Nn4r, Nn4s and Nn4t SUBWATERSHEDS NARMADA CATCHMENT
 TAHSIL HARDA AND KHIRKIYA DISTRICT HOSHANGABAD MADHYA PRADESH

A B S T R A C T

- 1.(a) Survey area : Subwatersheds - Nn4k, Nn4m, Nn4q,
 Nn4r, Nn4s and Nn4t, Narmada
 catchment, Madhya Pradesh.
- (b) Type of survey : Detailed Soil Survey
2. Total area reported: 17,717 ha
 and mapped
3. Period of Survey : February to May 1991
4. (i) Soil series mapped and area covered by each (ha) :

Sr. No.	Name of Series	Total area	Percent
1.	Bandariya	1274	7.5
2.	Jamukhoh	606	3.6
3.	Jharpa	7181	42.1
4.	Kamtada	193	1.1
5.	Kapsi	5139	30.1
6.	Pokharni	214	1.2
7.	Tarapur	232	1.3
8.	Uda	2231	13.1
Total		17070	100.0

- (ii) Other features including habitation, road, river,
 nullah etc. : 647 ha
- Grand total : 17,717 ha

5. Land capability classes :

Capability class	Total area (ha)	Soil series
II	5222 (43.5)	Jharpa, Tarapur, Uda
III	3803 (31.7)	Jharpa, Pokharni, Tarapur, Uda
IV	1445 (12.1)	Kamtada Uda
VI	1524 (12.7)	Bandariya, Jamukhoh, Kapsi
Total (%)	11994 (100)	
Reserved Forest	5076	
Grand Total	17070	

6. Specific problem :

Sr. No.	Nature of Problem	Total (%)	Associated Soils
1.	Avoidance of water stagnation and improvement of drainage.	1105 (6.5)	Jharpa
2.	Improvement of drainage and moderate erosion	6153 (36.0)	Jharpa, Tarapur
3.	Moderate erosion	2901 (17.0)	Jamukhoh, Jharpa, Kamtad, Kapsi, Pokharni, Tarapur, Uda.
4.	Severe erosion	5659 (33.2)	Bandariya Jharpa, Jamukhoh, Kapsi,
5.	Severe erosion and occassional flood damage	1252 (7.3)	Jharpa, Tarapur, Uda
Total		17070 (100)	