

Report on Detailed Soil Survey and Land Use of Na6j, Na6q, Na6u, Na6x & Na6y Subwatersheds, Narmada Catchment, Tahsil, Akkalkuva and Dhadgaon, Distt. Dhule, Maharashtra

ABSTRACT

- **Surveyed Area** : Subwatersheds Na6j, Na6q, Na6u, Na6x & Na6y
Narmada Catchment, Tahsil, Akkalkuva and
Dhadgaon, Distt. Dhule, Maharashtra
- **Total area reported and mapped** : 10,835 ha
- **Type of Survey** : Detailed Soil Survey
- **Period of survey** : November 97 to March 98.
- **Soil series mapped and area covered by each (ha):**

(Area in ha)

S. No	Name of Soil Series	Total Area (%)	Subwatersheds				
			Na6j	Na6q	Na6u	Na6x	Na6y
1.	Amla (A)	7,176 (66.2)	1,452 (72.9)	2,377 (78.4)	803 (44.2)	1,257 (73.8)	1,287 (56.2)
2.	Bijri (B)	741 (6.8)	76 (3.8)	155 (5.1)	298 (16.4)	172 (10.1)	40 (1.7)
3.	Jamana (J)	264 (2.4)	43 (2.2)	23 (0.8)	78 (4.3)	45 (2.6)	75 (3.3)
4.	Khardi (KH)	1,406 (13.0)	318 (15.9)	273 (8.9)	347 (19.1)	60 (3.5)	408 (17.8)
5.	Rudikalam (RK)	56 (0.5)	-	23 (0.8)	24 (1.3)	9 (0.5)	-
6.	Rajbardi (RB)	449 (4.2)	19 (1.0)	31 (1.0)	49 (2.7)	107 (6.3)	243 (10.6)
7.	Umrani (UM)	278 (2.6)	22 (1.1)	90 (3.0)	113 (6.2)	12 (0.7)	41 (1.8)
Sub-Total		10,370	1,930	2,972	1,712	1,662	2,094
	Miscellaneous land	465 (2.3)	62 (3.1)	61 (2.0)	104 (5.8)	42 (2.5)	196 (8.6)
Grand Total		10,835	1,992	3,033	1,816	1,704	2,290

Land Capability Classification:

(Area in ha)

Land Capability Sub class	Subwatersheds					Total Area (%)	Soil Series
	Na6j	Na6q	Na6u	Na6x	Na6y		
Iles	24 (1.2)	-	12 (0.7)	18 (1.1)	23 (1.0)	77 (0.7)	Jamana
IIles	62 (3.1)	-	169 (9.3)	64 (3.7)	47 (2.0)	342 (3.2)	Bijri, Jamana, Rajbardi
IVes	198 (9.9)	-	503 (27.7)	256 (15.0)	359 (15.7)	1,316 (12.1)	Bijri, Radikalam, Rajbardi, Khardi, Umrani, Jamana
Vles	167 (8.4)	-	452 (24.9)	216 (12.7)	629 (27.5)	1,464 (13.5)	Khardi, Amla
VIIes	726 (36.5)	-	576 (31.7)	480 (28.2)	418 (18.2)	2,200 (20.3)	Amla
Sub Total	1,177	-	1,712	1,034	1,476	5,399	
Forest land	753 (37.8)	2972 (98.0)	-	628 (36.8)	618 (27.0)	4971 (45.9)	
Miscellaneous	62 (3.1)	61 (2.0)	104 (5.7)	42 (2.5)	196 (8.6)	465 (4.3)	
Grand Total	1,992	3,033	1,816	1,704	2,290	10,835	

Salient features and specific problems:

- Deep soils cover an area of 264 ha, which is 2.4% of the total survey area 10835 ha.
- An area of 2101 ha (19.4%) is under gentle slope.
- An area of 848 ha (7.8% suffer from moderate erosion hazards, whereas 9522 ha (87.9%) is having the problem of severe erosion hazards.
- About 4971 ha. 45.9% area is under reserved forest.