

Detailed soil and Land Use Survey of Ug2c, Ug2d, Ug2k, Ug4a, Ug4c and Ug4d subwatersheds of Ukai RVP catchment Amalner, Parola Tahsil, Jalgaon District, Maharashtra State.

A B S T R A C T

1. Survey Area - Ug2c, Ug2d, Ug2k, Ug4a, Ug4c and Ug4d Ukai catchment.
2. Total area reported and mapped (ha) 20926 ha
3. Period of survey - November to March (1987 to 1988)
4. Soil series and their areal extent under each subwatersheds

Sr. No.	Name of Soil Series	Total area %	Subwatersheds					
			Ug2c	Ug2d	Ug2k	Ug4a	Ug4c	Ug4d
1.	Badarvadi	887 (4.2)	645 (3.1)	242 (1.1)	-	-	-	-
2.	Hanmantkheda	236 (1.1)	-	-	-	2	234 (1.1)	-
3.	Jotwada	2401 (11.5)	840 (4.1)	772 (3.7)	-	516 (2.4)	273 (1.3)	-
4.	Kherpada	3424 (16.4)	240 (1.1)	241 (1.2)	951 (4.5)	12 (0.1)	520 (2.5)	1460 (7.0)
5.	Khodamahuli	1608 (7.7)	780 (3.7)	259 (1.2)	-	171 (0.8)	398 (2.0)	-
6.	Malpur	1767 (8.4)	674 (3.2)	1093 (5.2)	-	-	-	-
7.	Mandal	2270 (10.9)	460 (2.2)	533 (2.6)	470 (2.2)	141 (0.7)	317 (1.5)	349 (1.7)
8.	Morphal	650 (3.1)	-	-	-	111 (0.5)	167 (0.8)	372 (1.8)
9.	Nimzhiri	3077 (14.7)	-	-	1474 (7.1)	-	1014 (4.8)	589 (2.8)
10.	Pana	600 (2.9)	537 (2.6)	63 (0.3)	-	-	-	-

5. Salient features and specific problems

- lands suitable for agriculture accounts for 14092 ha (72.1%)
- The lands suitable for pasture improvement and non-agricultural activities accounts for 4242 ha (23.3%)
- 34.5% of the survey area is covered by deep to very deep soils; 19.4% by moderately deep and 45.7% by shallow to very shallow soil respectively.
- Majority of the soils 8551 ha (43.7%) occur on very gentle slopes (1-3%).
- An area of 6277 ha (32.1%) suffer from severe erosion hazards. This area needs to be treated on priority basis.