

Report on detailed soil and land use survey of Ug1a, Ug1b, Ug1c, Ug3f and Ug3g subwatersheds of Ukai catchment, Tahsil Amalner, Parola and Dhule, District - Jalgaon and Dhule, Maharashtra state.

A B S T R A C T

1. Survey area : Priority subwatersheds Ug1a, Ug1b, Ug1c, Ug3f and Ug3g of Ukai catchment; Amalner, Parola and Dhule Tahsil of Jalgaon and Dhule District, Maharashtra State.
2. Total area reported : 15447 ha and mapped
3. Period of survey : November 1992 to June 1993
4. Distribution of area under different soil series :

Sr.No.	Name of soil series	Total area (ha)	Percentage
1.	Amoda (AM)	425	2.9
2.	Jamoda (JD)	1407	9.7
3.	Jotvada (JT)	2484	17.1
4.	Khedi (KH)	441	3.0
5.	Kherpada (K)	956	6.6
6.	Malpur (M)	2722	18.7
7.	Mandal (MA)	2711	18.7
8.	Palsoda (PD)	698	4.8
9.	Shendvada (S)	600	4.1
10.	Vani (V)	2068	14.3
Total		14512	100%

The area under soil series is computed to 100%
Other features; including Nala, river, Road, Rly. line, Tank, village situation etc.

Grand Total	15447	100
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Land capability classification

Sr. No.	Land capability class	Area in ha	%	Soil series
1.	II	4902	35.6	Amoda, Jamoda, Jotvada, Palsoda, Shendvada, Vani
2.	III	4088	29.7	Amoda, Jamoda, Jotvada, Mandal, Palsoda, Shendvada, Vani
3.	IV	2876	20.9	Amoda, Jamoda, Malpur, Mandal, Palsoda
4.	VI	1854	13.5	Amoda, Khedi, Kherpada, Malpur
5.	VII	35	0.3	Kherpada
Total		13755	(100)	

Reserved forest & other features including Habitation, Rd, River etc.

Grand Total 15447

Salient features and specific problems :

1. The survey area is largely covered by deep to very deep soils (52.9%)
2. The arable lands suitable for the agriculture (land capability class II and III) account for 8990 ha (65.3%)
3. Out of the total area of 15447 ha, about 8977 ha suffers from moderate erosion.
4. An area of 3811 ha (26.3%) and 107 ha (0.7%) suffer from severe and very severe erosion respectively. These areas are recommended to be treated at priority basis.