

Report on detailed soil survey and land use of Uk4a, d and g subwatersheds, Ukai Catchment, Tah. & District- Jalgaon, Maharashtra.

ABSTRACT

1) Survey area : Priority subwatersheds Uk4a, Uk4d and Uk4g, Ukai Catchment, Maharashtra State.

2.(a) Total area reported and mapped : 11,308 ha

Subwatersheds :

Uk4a : 2984 ha
 Uk4d : 2697 ha
 Uk4g : 5627 ha

Total : 11308 ha

(b) Kind of survey : Detailed soil survey.

(c) Period of survey: December 1982 to March 1983.

3. (i) Soil series mapped and area covered by each (ha) :

Sr.No.	Name of series	Total area in ha (%)	Subwatersheds wise		
			Uk4a	Uk4d	Uk4g
1.	Amoda	949 (8.4)	286 (2.5)	353 (3.1)	310 (2.8)
2.	Anjanvihira	609 (5.4)	-	-	609 (5.4)
3.	Daul	1564 (13.8)	767 (6.8)	241 (2.1)	556 (4.9)
4.	Gadhoda	137 (1.2)	88 (0.8)	-	49 (0.4)
5.	Jamoda	1515 (13.4)	303 (2.7)	624 (5.5)	588 (5.2)
6.	Jhotavada	1388 (12.3)	352 (3.1)	621 (5.5)	414 (3.7)
7.	Malpur	358 (3.2)	-	-	358 (3.2)
8.	Mandal	67 (0.6)	-	-	67 (0.6)
9.	Palsoda	565 (5.0)	80 (0.7)	122 (1.1)	363 (3.2)
10.	Pimprala	250 (2.2)	-	-	250 (2.2)

Sr. No.	Name of Series	Total area in ha (%)	Subwatershed wise		
			Uk4a (%)	Uk4d (%)	Uk4g (%)
11.	Shendvada	2433 (21.5)	746 (6.6)	690 (6.1)	997 (8.8)
12.	Vani	340 (3.0)	-	-	340 (3.0)
Total :		10,174	2622	2651	4901
(%) :		(90)	(23.2)	(23.4)	(43.4)
(ii)					
13.	Other features including roads, river, nala etc.	1134 (10)	362 (3.2)	46 (0.4)	726 (6.4)
Grand Total :		11,308 (100)	2984 (26.4)	2697 (23.8)	5621 (49.8)

4. Land capability classification :

Land capability class	Area (ha)	Land capability unit	Area (ha)	(%)	Soil Series
II	3701 (36.4)	IIe-1	77	0.8	Amoda
		IIes-1	3500	34.4	Jhotvada Shendvada Palsoda
		IIes-2	233	2.3	Jamoda Vani
III	2017 (19.8)	IIIe-1	571	5.6	Amoda
		IIIes-1	200	2.8	Shendvada
		IIIes-2	671	6.6	Jamoda Vani
		IIIes-3	137	1.3	Gadhoda
		IIIes-4	247	2.4	Mandal Palsoda
IV	2614 (25.7)	IVE-1	301	3.0	Amoda
		IVes-1	1429	14.0	Daul Jamoda Jhotvada Vani
		IVes-2	295	2.9	Malpur Pimprala
		IVes-3	589	5.8	Malpur Palsoda Pimprala

