

**REPORT ON DETAILED SOIL SURVEY AND LAND USE OF Us1a, Us1b, Us1c  
SUBWATERSHEDS of UKAI RVP CATCHMENT, TAHSIL -YAVAL,  
DISTRICT - JALGAON (M.S)**

**ABSTRACT**

- 1) **Surveyed Area** : Subwatershed Us1a, Us1b and Us1c of Ukai Catchment. Tahsil Yaval. District Jalgaon (M.S).
- 2) (a) **Total Area (reported & mapped)** : 8084 ha.  
 (b) **Type of survey** : Detailed soil survey.  
 (c) **Period of survey** : December'97 to march'98.
- 3) **Soil series mapped and their extent (ha.)**

S. No.	Name of Soil Series	Total Area (ha)	Subwatersheds		
			Us1a	Us1b	Us1c
1	2	3	4	5	6
1	Daul (D)	3144 (38.9)	845 (10.5)	1271 (15.7)	1028 (12.7)
2	Jamoda (JD)	890 (11.0)	424 (5.2)	444 (5.5)	22 (0.3)
3	Jatwada (JT)	1422 (17.6)	282 (3.5)	1073 (13.3)	67 (0.8)
4	Peloda (PD)	639 (7.9)	63 (0.8)	420 (5.2)	156 (1.9)
5	Shendwada (s)	1510 (18.7)	140 (1.7)	765 (9.5)	605 (7.5)
<b>Total</b>		<b>7605</b>	<b>1754</b>	<b>3973</b>	<b>1878</b>
3(ii)	Other features including habitation, Nalla, Road etc.	(94.1) 479 (5.9)	21.7 129 (1.6)	49.2 61 (0.7)	23.2 289 (3.6)
<b>Grand Total</b>		<b>8084</b>	<b>1883</b> (23.3)	<b>4034</b> (49.9)	<b>2167</b> (26.8)
%		100.0			

#### 4. Land capability classification:

Land Capability	Subwatersheds			Total area in (ha) (%)
	Us1 a	Us1 b	Us1 c	
I	2	3	4	5
II	407 15.6	1538 59.2	656 25.2	2601 100.0
III	336 27.5	744 60.9	141 11.6	1221 100.0
IV	439 34.2	663 51.7	181 14.1	1283 100.0
VI	572 22.9	1028 14.1	900 36.0	2500 100.0
<b>Total</b>	<b>1754</b> <b>(21.7)</b>	<b>3973</b> <b>(49.2)</b>	<b>1878</b> <b>(23.2)</b>	<b>7605</b> <b>(94.1)</b>
Mics.	129 (1.6)	61 (0.7)	289 (3.6)	479 (5.9)
<b>Grand Total</b>	<b>1883</b>	<b>4034</b>	<b>2167</b>	<b>8084</b>
%	23.3	49.9	26.8	100.0

#### Salient Features and Specific Problems: -

- The Survey area largely covered by very deep soils (94.1%)
- About 3822 ha (47.3%)ha suffers from moderate soil erosion
- Area of 1589ha (19.7%) and 2194 ha (27.1%6) Suffer from severe and very severe soil erosion respectively. These areas are recognized to be treated at priority level.