

Detailed Soil & Land Use Survey of TG2/1 & 2/2 subwatersheds,  
 Ukai Catchment, Shahada Tahsil, Dhule District, Maharashtra State

ABSTRACT

1. Survey area : TG2/1 & 2/2 Subwatersheds, Ukai Catchment

2.(a) Total area reported & mapped : 6410 ha

(b) Subwatersheds TG2/1 - 4872 ha

TG2/2 - 1538 ha

(b) Period of survey : November & December 1979.

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

Name of Series	Total Area (%)	TG2/1 Area (%)	TG2/2 Area(%)
1. Bhadgon	450 (7.0)	373 (5.8)	77 (1.2)
2. Daul	744 (11.6)	665 (10.4)	79 (1.2)
3. Jotvada	2578 (40.2)	1620 (25.3)	958 (14.9)
4. Khodamahuli	875 (13.7)	783 (12.2)	92 (1.5)
5. Mandara	409 (6.4)	387 (6.0)	22 (0.4)
6. Pana	396 (6.2)	313 (4.9)	83 (1.3)
7. Pirmandal	161 (2.5)	147 (2.3)	14 (0.2)
8. Shendvada	330 (5.1)	136 (2.1)	194 (3.0)
Total :	5943 (92.7)	4424 (69.0)	1519 (23.7)

9. Other features

habitation,  
 river nala etc. 467ha(7.3)

Grand Total : 6410ha (100.0)

Land Capability Units

Capability Units	Area in ha (%)	Subwatersheds		Soil Series
		TG2/1 Area (%)	TG 2/2 Area (%)	
1	2	3	4	5
IIs-1	580 (9.8)	282 (4.8)	298 (5.0)	Jotvada; Shendvada
IIe-1	84 (1.3)	73 (1.2)	11 (0.2)	Daul;
IIes-1	1365 (23.0)	846 (14.3)	519 (8.7)	Jotvada; Pana; Shendvada
IIIe-1	136 (2.3)	112 (1.9)	24 (0.4)	Daul
IIIes-1	1451 (24.4)	941 (15.8)	510 (8.6)	Jotvada; Pana
IIIes-2	842 (14.2)	828 (13.9)	14 (0.3)	Khodamahuli; Pirmandal
IVe-1	524 (8.8)	480 (8.1)	44 (0.7)	Daul
IVes-1	193 (3.2)	171 (2.8)	22 (0.4)	Bhadgon; Mandara
IVes-2	102 (1.7)	102 (1.7)	-	Pirmandal
IVes-3	666 (11.2)	589 (9.9)	77 (1.3)	Bhadgon and Mandara
<b>Total :</b>	<b>5943</b>	<b>4424</b>	<b>1519</b>	
<b>% :</b>	<b>100.0</b>	<b>74.4</b>	<b>25.6</b>	

Figures in brackets indicate percentage within the land capability units.

SPECIFIC PROBLEMS

Nature of Problem	Problem area (ha)		Total	Soil Series
	TG2/1	TG2/2		
1. Moderate erosion	2971	1100	4071	Bhadgon; Daul; Jotvada; Khodamahuli; Mandara; Pana; Pirmandal and Shendvada
2. Severe erosion	1171	121	1292	Bhadgon; Daul; Jotvada; Mandara and Pirmandal
3. Area under slow drainage	282	298	580	Shendwada; Jotwada
<b>Total :</b>	<b>4424</b>	<b>1519</b>	<b>5943</b>	