

(i)

Detailed Soil Survey of Db'3a, Db'4b & Db'4c subwatersheds of Dantiwada R.V.P. Catchment, Taluka Palanpur, District Banaskantha, Gujarat.
Tehsil

I ABSTRACT

1. Survey area: Dantiwada R.V.P. Catchment, Tehsil-Palanpur, District Banaskantha, Gujarat.

<u>Subwatershed</u>	<u>Area in ha.</u>	<u>Priority</u>
Db'3a	1576	Medium
Db'4b	1390	High
Db'4c	1592	Very high

2. Total area: 4558 ha.

3. Kind of survey : Detailed soil survey

4. Period of Survey: May 80 - June '80 and November '80.

5. Soil series mapped and area covered by each under different subwatersheds (Figures in bracket indicate percentage of series distribution).

S.No.	Name of series	<u>Area in ha under</u>			Total area in ha.	Percentage
		Db'3a	Db'4b	Db'4c		
1.	Balaram	467 (10.2)	29 (0.6)	-	496	10.9
2.	Chandrabati	-	25 (0.6)	39 (0.9)	64	1.5
3.	Dabheli	54 (1.2)	210 (4.6)	35 (0.8)	299	6.6
4.	Dhanpura	116 (2.5)	227 (5.0)	171 (3.8)	514	11.3
5.	Kui	815 (17.9)	663 (14.5)	1306 (28.7)	2784	61.1
6.	Piparmal	18 (0.4)	48 (1.0)	6 (0.1)	72	1.5
7.	Misc.	106	188	35	329	7.2
<u>Total</u>		1576	1390	1592	4558	100.0

(ii)

5. Land capability classes

S.No.	Land capability unit	Area in ha. under subwatershed				Soil series
		Db'3a	Db'4b	Db'4c	Total	
1.	II	54 (3.5)	235 (16.9)	74 (4.7)	363 (0.8)	Chandrababa Dabheli
2.	III	226 (14.3)	26 (1.9)	-	252 (5.5)	Balaram
3.	IV	164 (10.4)	230 (16.5)	171 (10.7)	565 (11.3)	Dhanpura Balaram
4.	Foresh	1026 (65.1)	711 (51.2)	1312 (82.4)	3049 (66.9)	Kui Piparmal Balaram
5.	Miscellaneous lands	106 (6.7)	188 (13.5)	35 (2.2)	329 (7.2)	Road, River Gully, Habitation Rockout crop etc.
Total		1576 (100%)	1390 (100%)	1592 (100%)	4558 (100%)	

* Figures in parenthesis indicate percentage.

7. Area under different Depth Classes (in ha.)

S.No.	Depth classes in cm	Area in ha. under subwatersheds				Percentage
		Db'3a	Db'4b	Db'4c	Total	
1.	d1-2 (0-25)	833 (10.4)	711 (16.5)	1312 (10.7)	2856 (11.3)	62.7
2.	d3 (25-50)	116 (65.1)	711 (51.2)	227 (82.4)	171 (66.9)	11.3
3.	d5 (more than 100)	521 (6.7)	264 (13.5)	74 (2.2)	859 (7.2)	18.8
4.	Miscellaneous	106	188	35	329	7.2
Total		1576	1390	1592	4558	100.0

