

Detailed Soil Survey of Dd1a, Dd1c, Dd1d, Dd3a sub-watersheds (Maharashtra) and Da1b, Da1c and Da1d subwatersheds(Gujarat), Damanganga catchment

ABSTRACT FOR TOTAL SURVEYED AREA

1. Surveyed area :

(A) Tahsils Jawhar and Mukhanda Distt-Thana, Maharashtra state.

	<u>Subwatersheds</u>	<u>Area(ha)</u>
1.	Dd1a	1920
2.	Dd1c	3567
3.	Dd1d	1861
4.	Dd3a	2033
		9,381 ha

(B) Tahsil Dharampur, Distt-Bulsar, Gujarat State and Union Territory of Dadra and Nagar-Haveli

	<u>Subwatersheds</u>	<u>Area(ha)</u>
1.	Da1b	2928
2.	Da1c	4790
3.	Da1d	5556
		13,274 ha

2. Total area :- 22,655 ha

3. Period of survey - November, 1976 to June, 1977.

4. Soil series mapped and areas covered.

	<u>Soil series</u>	<u>Area in ha</u>	<u>% of the Total</u>
a)	Amla	410	1.8
b)	Bonta	4638	20.5
c)	Chauda	8451	37.3
d)	Dahikhed	167	0.7
e)	Eklara	164	0.7
f)	Galonda	5299	23.4
g)	Ruighar	133	0.6
h)	Sakarset	641	2.8
i)	Vinval	1061	4.7
j)	Wangni	740	3.3
k)	Home Stead, river, and Nala etc.	951	4.2
		22,655	100.0

5. Land capability classification :

<u>Land capability unit</u>	<u>Area in ha</u>	<u>%</u>	<u>Soil Series</u>
a) IIw-1	740	3.4	Wangani
b) IIIs-1	39	0.2	Aqli
c) IIIIs-1	164	0.8	Eklara
d) IIIIe-1	300	1.4	Dahikhed and Ruighar
e) IIIIe-2	641	2.9	Sakarset
f) IIIIe-3	2092	9.6	Galonda
g) IIIIe-4	3207	14.8	Galonda
h) IIIIs-1	36	0.2	Aqli
i) IIIIs-2	335	1.5	Aqli
j) VIIs-1	4638	21.4	Bonta
k) VIIs-2	2642	12.2	Chauda, Vinal
l) VIIIs-1	6870	31.6	Chauda
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	21,704	100.0	

6. Specific Problems :-

<u>A- Nature of problems</u>	<u>Area in ha</u>	<u>Soil Series</u>
i) Moderate erosion	3947	Aqli, Bonta Dahikhed Galonda, Ruighar and Sakarset.
ii) Severe erosion	9945	Aqli, Bonta, Chauda, Galonda, Vinal, Ruighar, Sakarset
iii) Very severe erosion	6870	Chauda
B- Water logging	740	Wangani
O- 1) Moderate stoniness and rockiness	1927	Chauda, Vinal
2) Severe stoniness and rockiness	7849	Chauda

