

Report on detailed soil survey of Nk2d, Nk2e and Nk2f subwatersheds of Nizamsagar catchment in Aurad taluk, Bidar district, Karnataka State.

Combined abstract for all subwatersheds

1. Survey area : Nk2d, Nk2e and Nk2f subwatersheds of Nizamsagar catchment, Aurad taluk, Bidar district, Karnataka.
2. Total area mapped and reported: 10,809 hectares.
3. Period of work : May and June 1980
4. Soil series mapped and area in hectares under each :-

<u>Sl.No.</u>	<u>Soil series name</u>	<u>Area in hectares</u>	<u>Percentage</u>
1.	Basantpur	845	7.8
2.	Gadgi	980	9.1
3.	Kandgola	1056	9.8
4.	Ladha	2371	21.9
5.	Nandgaon	70	0.6
6.	Sultanpur	2549	23.6
7.	Wadgaon	2179	20.2
8.	Miscellaneous	759	7.0
		<u>10,809</u>	<u>100.0</u>

5. Land capability classification :-

<u>Sl.No.</u>	<u>Land capability class</u>	<u>Area in hectare</u>	<u>Percentage</u>	<u>Soil series</u>
1.	Class II	1214	11.2	i) Basantpur ii) Sultanpur
2.	Class III	4216	39.1	i) Basantpur ii) Gadgi iii) Kandgola iv) Sultanpur
3.	Class IV	2084	19.3	i) Nandgaon ii) Wadgaon
4.	Class VI	165	1.5	i) Wadgaon
5.	Class VII	<u>2371</u>	<u>21.9</u>	i) Ladha
		10050	93.0	

6. Specific problematic area

a) Moderate erosion above 3% slope on moderately deep and deeper soils	-	*	3891 hectares
b) Moderate to severe stoniness	-	*	6263 "
c) Shallowness	-	*	4620 "
d) Rock out crop	-	*	<u>341</u> "
			15115 "

\* An area of 6229 hectares, having more than one problem is accounted only once in the grand total but more than once in problematic areas.



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Abstract for Nk2e subwatershed

1. Survey area : Nk2e subwatershed of Nizamsagar catchment, Aurad taluk, Bidar district, Karnataka State.
2. Total area mapped and reported: 3803 hectares
3. Period of work : May and June 1980
4. Soil series mapped and area in hectares under each

<u>Sl.No.</u>	<u>Soil series name</u>	<u>Area in hectares</u>	<u>Percentage</u>
1.	Basantpur	268	7.0
2.	Gadgi	106	2.8
3.	Kandgola	159	4.2
4.	Ladha	1072	28.2
5.	Nandgaon	70	1.8
6.	Sultanpur	1428	37.6
7.	Wadgaon	578	15.2
8.	Miscellaneous	122	3.2
		<u>3803</u>	<u>100.0</u>

5. Land capability classification

<u>Sl.No.</u>	<u>Land capability class</u>	<u>Area in hectare</u>	<u>Percentage</u>	<u>Soil series</u>
1.	Class II	524	13.8	i) Basantpur ii) Sultanpur
2.	Class III	1437	37.8	i) Basantpur ii) Gadgi iii) Kandgola iv) Sultanpur
3.	Class IV	630	16.5	i) Nandgaon ii) Wadgaon
4.	Class VI	18	0.5	i) Wadgaon
5.	Class VII	<u>1072</u>	<u>28.2</u>	i) Ladha
		<u>3681</u>	<u>96.8</u>	

6. Specific problematic area

- |  |                   |
|--|-------------------|
| a) Moderate erosion above 3% slope on moderately deep and deeper soils | - * 1429 hectares |
| b) Severe erosion  | - * 35 "          |
| c) Moderate to severe erosion  | - * 1960 "        |
| d) Shallowness   | - * 1720 "        |
| e) Rock out crop   | - * <u>38</u> "   |
|  | <u>5182</u> "     |

\* An area of 1997 hectares is having more than one problem accounted only once in the grand total but more than once in problematic area

