

Report on detailed soil survey and land use of Tb8h, Tb8j and Tb9a sub-watersheds of Tungabhadra catchment, Koppal and Yelburga taluks, Raichur district, Karnataka State.

ABSTRACT

1. Surveyed area : Tb8h, Tb8j and Tb9a subwatersheds of Tungabhadra catchment, Koppal and Yelburga taluks, Raichur district, Karnataka.
2. Total area mapped and reported: 7135 hectares
3. Period of work : April to July 1985
4. List of villages surveyed in Koppal and Yelburga taluks, Raichur Dist.

Sl. No.	Name of the village	Total area of village (hect.)	Area falling within subwatershed in hect.		
			Tb8h	Tb8j	Tb9a
1.	Advahalli	320	-	320	-
2.	Alwandi (Kasaba Alwande)	4564	1416	-	102
3.	Bhairapur	849	-	-	334
4.	Halwagli	672	-	-	3
5.	Kavalur	10315	989	1272	-
6.	Komalapur	765	-	5	-
7.	Nelogi	1063	-	-	346
8.	Talakalli	5670	-	2348	-
Total		24218	2405	3945	735

5. Soil Series mapped and area in hectares under each

Sl. No.	Soil series name	Tb8h	Tb8j	Tb9a	Total area in hectares	Percentage
1.	Alwandi	36	-	-	36	0.5
2.	Bhairapur	-	-	42	42	0.6
3.	Dadagolu	-	-	29	29	0.4
4.	Dyampur	478	380	10	868	12.2
5.	Gugrihalla	184	-	-	184	2.6
6.	Kallur	42	138	8	188	2.6
7.	Kakshmapur	821	1065	3	1889	26.5
8.	Mainahalli	279	80	3	362	5.1
9.	Nelogi	12	-	469	481	6.7
10.	Thimmapur	472	2195	71	2738	38.4
11.	Wadagenahalli	-	-	136	136	1.9
Miscellaneous lands		81	87	14	182	2.5
Total		2405	3945	785	7135	100%

6. Area under different land capability classes

Sl. No.	Land capability unit	Area	Percentage	Soil series
1.	II	5731	80.4	Alwandi, Dyampur, Lakshmapur, Bhairapur, Thimmapur.
2.	III	712	10.0	Dyampur, Gugrihalla, Mainahalli, Wadagenahalli
3.	IV	510	7.1	Dadagolu, Nelogi
River, gullies lands, roads, habitation				182

7. Specific problematic areas

Moderate erosion on slopes above 3% on moderately deep to deep soils

- 40 hectares.

Severe erosion on slopes above 1% on moderately deep to deep soils

- 63 "

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