

## ABSTRACT

1. Survey area : Ba2n Subwatershed of Sileru catchment, Chintapalli taluk, Visakhapatnam district, Andhra Pradesh.

2. (a) Type of survey : Detailed soil survey

(b) Area particulars :	i) Cultivated	3015 ha
	ii) Forests & hills	1059 ha
	iii) Podu affected areas	842 ha
	iv) Miscellaneous areas such as rocks etc.	5 ha
		4921 ha

3. Period of field work : 3 months; May, 80; April, and May, 81

4. Area distribution of soil series mapped:

Sl. No.	Soil series	No. of mapping units	Area (ha)	% of the total area
1.	Bennavaram (B)	3	485	9.9
2.	Cherugampakalu (CP)	4	743	15.1
3.	Devarapalli (DP)	9	2772	56.3
4.	Jirgametta (J)	5	327	6.6
5.	Kinnerla (K)	2	76	1.5
6.	Rangasingi (R)	2	48	1.0
7.	Vangasari (VG)	4	465	9.5
8.	Miscellaneous area		5	0.1
Total		29	4921	100.0

5. Specific problems:

Sl. No.	Problem	Area (ha)*	Per cent*
1.	Shifting cultivation	842	17
2.	Very severely eroded	403	8
3.	Severely eroded	3314	67
4.	Slightly stony	1264	26
5.	Slightly stony and rocky	1578	32
6.	Moderately stony and rocky	246	5
7.	Severely stony and rocky	120	2
8.	Shallowness of soil	2772	56
9.	Strong slopes (10-15%)	881	18
10.	Moderately steep slopes (15-20%)	862	17
11.	Steep to very steep slopes (above 25%)	366	7

\*Same areas are included more than once under different problems in some cases.

