

Report on detailed soil survey and land use of
Aglj, Aglk, Aglm, Agln, Aglp, Aglq, Aglr, Agls and Aglw
Subwatersheds of Nagarjunasagar Catchment,
Alampur & Gadwal taluks, Mahbubnagar district, Andhra Pradesh

ABSTRACT

1. Survey area : Nagarjunasagar catchment, Alampur and Gadwal Taluks, Mahbubnagar district, Andhra Pradesh, Aglj, Aglk, Aglm, Agln, Aglp, Aglq, Aglr, Agls, Aglw Subwatersheds.
2. Type of survey : Detailed soil survey
3. Period of survey : December, 1992 to June, 1993
4. Total area : 36596 ha
5. Soil series and their extent : Please see the next page
6. Potential for agricultural development land capability classification

Description	Land cap class	Area (ha)	Land cap. units	Area (ha)	Soil series covered
Good cultivated land	II	7109 (22.6)	IIs1	3159	Birelli; Gabbur
			IIes1	2418	Jangampalli, Mannanur
			IIes2	1532	Patancheru
				<u>7109</u>	
Moderately good cultivated land	III	16273 (51.7)	IIIes1	2393	Devarkonda, Jelledubanda,
			IIIIs1	148	Kondapalli
			IIIes2	11449	
			IIIes3	1138	
			IIIes4	687	
			IIIes5	458	
	<u>16273</u>				
Fairly good suitable for occasional cultivation	IV	7781 (24.8)	IVs1	141	Dharoor, Palcherla
			IVes1	3621	Patancheru, Tatikol
			IVes2	4019	
				<u>7781</u>	
Good pasture lands	VI	310 (0.9)	VIes1	310	Dharoor, Tatikol

Salient features and specific problems

- Fourteen soil series have been identified and mapped with an area of 31473 ha.
- About 25.7% of the area is under shallow soils. These soils are suitable for pasture development, afforestation or other non agricultural activities.
- About 51.7% area is under moderately deep soils. These are suitable for cultivation under rainfed condition coarse grain crops
- Nearly 22.6% area is under deep to very deep soils and is suitable for multi crop utilisation with improved agricultural practices.
- About 96.2% area occurs on very gentle to gentle (1-5%) slopes and requires soil and water conservation.
- Nearly 1.2% area suffers from severe erosion hazards. The appropriate soil and water conservation measures need to be taken on priority.