

Report on Prioritisation of Subwatersheds
in part of 4D1 Catchment of Krishna Basin
(4D1D, 4D1E and 4D1F Subcatchments)
Hyderabad, Khammam, Mahboobnagar, Medak, Nalgonda,
Rangareddy, Vijaiwada & Warangal Districts,
Andhra Pradesh

A B S T R A C T

01. Survey area Part of 4D1 Catchment of Krishna basin (4D1D, 4D1E and 4D1F Sub catchments), Hyderabad, Khammam, Mahboobnagar, Medak, Nalgonda, Rangareddy, Vijaiwada and Warangal districts of Andhra Pradesh.
02. Location 77°55' to 80°10' E Longitude
17°53' to 16°35' N Latitude
03. Total area 20,01,684 ha
04. Period of survey November, 1993 to June, 1995
05. Type of survey Rapid reconnaissance
06. Base material Toposheet (1:50,000 scale)
Survey of India
07. Hydrologic division Catchment : Part of 4D1
Subcatchment 3
Watersheds 17
Subwatersheds 546
08. Priority categorisation

Erosion Priority	No. of sub-watersheds	Area (ha) and percent
Very high	06	16,875 (0.9)
High	14	58,898 (3.2)
Medium	161	5,53,821 (30.0)
Low	112	3,66,482 (19.8)
Very low	253	8,52,062 (46.1)
	546	18,48,138 (100)

09. Mapping units and area under each

Erosion intensity mapping units	Area (ha)	Percent
A1	1,79,955	9.7
A2	27,351	1.5
A3	48,660	2.7
B1	12,015	0.7
B2	50,213	2.7
B3	3,501	0.2
B4	17,879	1.0
B5	11,436	0.6
D1	9,826	0.5
D2	3,136	0.2
G1	61,632	3.3
G2	34,066	1.8
G3	64,795	3.5
G4	8,49,993	46.0
G5	65,161	3.5
G6	1,21,280	6.6
G7	70,777	3.8
G8	1,65,226	9.0
LS1	29,845	1.6
LS2	7,045	0.4
LS3	6,354	0.3
LS4	7,992	0.4
	18,48,138	100.0

(Area in Hectare)