

REPORT ON PRIORITIZATION OF MICROWATERSHEDS IN 5A1D1 TO 5A1D3 & 5A1D5 TO 5A1D8 WATERSHEDS OF 5A1D SUBCATCHMENT (NON RVP) IN IDUKKI, ERNAKULAM AND THRISSUR DISTRICTS OF KERALA STATE AND COIMBATORE DISTRICT OF TAMIL NADU

ABSTRACT

1. Survey area : 5A1D1 to 5A1D3 & 5A1D5 to 5A1D8 Watersheds of 5A1D Subcatchment (Non RVP) in Idukki, Ernakulam and Thrissur Districts of Kerala state.
2. Location : 76° 10' to 77° 16' E Longitude
10° 16' to 9° 28' N Latitude
3. Total area surveyed : 5, 02,684 ha
4. No. of microwatersheds : 319
5. Agro-climatic region : Zone XII – The West Coast Plain and Hill region
6. Type of survey : Rapid Reconnaissance Survey for Priority delineation of Microwatersheds
7. Period of survey : December 2005 -March 2006 and December 2007 to April 2008
8. Base map : Survey of India Topo sheets on 1:50,000scale
9. Toposheets : 58B/3, 58B/4, 58B/7, 58B/8, 58B/11, 58B/12, 58B/15, 58B/16, 58C/1, 58C/2, 58C/3, 58C/4, 58C/5, 58F/3, 58F/4, 58F/8, 58G/1, 58G/2, 58G/3and 58G/5
10. Hydrological divisions : a) Region – 5
b) Basin – 5A
c) Catchment – 5A1
d) Subcatchment – 5A1D
e) Watersheds – 5A1D1 to 5A1D9
f) Sub watersheds - 5A1D1a, 5A1D1b
g) Micro-watersheds - 5A1D1a1, 5A1D1a2

11. Extent of different Erosion Intensity Mapping Units

Sl.No.	RPMU	Runoff Potential Value	Area in ha.	Area(%)
1	A01	61	4625	0.92%
2	A02	60	2520	0.50%
3	CA01	55	587	0.12%
4	CA02	55	20726	4.12%
5	CA03	58	2047	0.41%
6	G01	66	109127	21.71%
7	G02	66	7049	1.40%
8	G03	68	31943	6.35%
9	G04	66	20430	4.06%
10	G05	66	11211	2.23%
11	G06	68	46684	9.29%
12	G07	66	52040	10.35%
13	G08	60	1948	0.39%
14	G09	62	8608	1.71%
15	G10	63	25450	5.06%
16	G11	62	20030	3.98%
17	G12	60	3328	0.66%
18	G13	58	517	0.10%
19	G14	64	28570	5.68%
20	G15	70	3755	0.75%
21	G16	57	989	0.20%
22	G17	56	30291	6.03%
23	G18	56	390	0.08%
24	G19	61	14460	2.88%
25	G20	58	3260	0.65%
26	G21	55	785	0.16%
27	HAB	0	9495	1.89%
28	LT01	58	3662	0.73%

