

Report on Demarcation of Priority Watersheds in the Catchment of Pohru River Valley Project (RVP), Baramulla and Kupwara Districts, Jammu and Kashmir

ABSTRACT

1. *Survey Area* : Pohru R. V. P. Catchment, Baramulla and Kupwara Districts (Old Baramulla District), Jammu and Kashmir.
2. *Location* : 73° 54' to 74° 42' E Longitude
34° 15' to 34° 42' N Latitude
3. *Total Area* : 1,83,474 ha
4. *Period of field visit* : May, 2001 to June, 2001
5. *Type of Survey* : Rapid Reconnaissance Survey (Resurvey) using Remote Sensing Technique
6. *Base Material* : Survey of India Toposheets (1:50,000) and Geocoded FCC (4,3,2) of IRS-1C LISS-III
7. *Areal Extent of different Erosion Intensity Mapping Units* :

SLNo.	Erosion Intensity Mapping Unit	Weightage Value	Delivery Ratio	Area in ha.	Area In %age
1	A1	12	0.56	8010	4.37
2	A2	14	0.60	13239	7.22
3	A3	15	0.63	7308	3.98
4	A4	12	0.57	704	0.38
5	A5	17	0.70	527	0.29
6	K1	15	0.63	3262	1.78
7	K2	18	0.70	993	0.54
8	K3	15	0.64	5678	3.09
9	K4	19	0.77	1445	0.79
10	K5	13	0.60	3470	1.89
11	K6	20	0.79	9495	5.18
12	K7	19	0.74	2242	1.22
13	K8	13	0.58	2790	1.52
14	K9	14	0.69	5505	3.00
15	M1	20	0.85	14021	7.64
16	M2	13	0.67	22909	12.50
17	M3	17	0.69	6484	3.53
18	M4	20	0.81	6826	3.72
19	M5	14	0.70	36200	19.73
20	M6	18	0.82	4301	2.34
21	M7	17	0.74	6370	3.47
22	M8	13	0.64	6078	3.31

8. Hydrological Divisions :

Water Resource Region (1)

Basin (1E)

Catchment (1E1)

Subcatchment (1E1B)

Watersheds (1E1B5 & 1E1B6)

Subwatersheds (1E1B5a,b,c,....., 1E1B6a,b,c,.....)

Microwatersheds (1E1B5a1,...., 1E1B5b1,....)

9. Soil Erosion Hazard :

Sl. No.	Erosion Class	Area in ha.	Percentage
1.	None to Slight Erosion (e1)	24743	13.5
2.	Slight to Moderate (e1- e2)	78004	42.6
3.	Moderate (e2)	23081	12.6
4.	Moderate to Severe (e2 - e3)	17616	9.6
5.	Severe (e3)	25758	14.0
6.	Snow Covered Area	11639	6.3
7.	River	2633	1.4
Total		183474	100.0

10. Priority Categorization :

Sl. No.	Priority Category	No. of Microwatersheds	Area In Ha.	Percentage
1	Very High (1300 & Above)	12	12,815	6.98
2	High (1200 To 1299)	26	27,831	15.17
3	Medium (1100 To 1199)	34	36,569	19.93
4	Low (1000 To 1099)	37	37,450	20.41
5	Very Low (Below 1000)	70	68,809	37.51
Total		179	183,474	100.00

11. Salient Features:

Pohru RVP Catchment area has been subdivided into 179 microwatersheds following the delineation and codification method of Watershed Atlas of India.

Out of 1,83,474 hectares surveyed area, 12,815 ha. (6.98 %) spread over 12 microwatersheds have been categorized under very high priority area and 27,831 ha. (15.17 %) covered by 26 microwatersheds have been categorized under high priority area.