

Report on Reprioritisation of Subwatersheds of Konar Dam Catchment (2A2G5 Watershed), Damodar RVP, Districts Giridih and Hazaribag, Bihar

Abstract

1. **Survey Area** : Konar Dam Catchment (2A2G5 Watershed), Damodar RVP, Districts Giridih, Hazaribag of Bihar.
2. **Total Area Mapped** : 99,715 ha.
3. **Location** : $85^{\circ} 16'$ to $85^{\circ} 46'$ E Longitude and $23^{\circ} 51'$ to $24^{\circ} 07'$ N Latitude
4. **Agro Climatic Zone** : Eastern plateau & hill region (VII) as per National Planning Commission's classification.
5. **Kind of Survey** : Priority Delineation Survey
6. **Period of Survey** : May- June 1997
7. **Base Maps Used** : Survey of India topographical maps (1:50,000)

8. Extent of Areas under Different Erosion Intensity Mapping Unit

Sl. No	Mapping Unit	Area (ha)	Percentage
1.	C3	12	0.01
2.	C4	20	0.02
3.	C6	8	0.01
4.	C7	1038	1.04
5.	C8	1186	1.19
6.	C9	388	0.39
7.	C10	359	0.36
8.	C11	109	0.11
9.	C12	192	0.19
10.	C14	1728	1.73
11.	C15	408	0.41
12.	GN1	1912	1.92
13.	GN2	909	0.91
14.	GN3	732	0.73
15.	GN4	92	0.09
16.	GN5	798	0.80
17.	GN6	302	0.30
18.	GN7	12552	12.59
19.	GN8	22587	22.65
20.	GN9	17310	17.36
21.	GN10	3810	3.82
22.	GN11	3565	3.58
23.	GN12	4890	4.91
24.	GN13	10877	10.91
25.	GN14	8257	8.28
26.	Misc.	5674	5.69
Total		99,715	100.00

9. Priority Categorisation

Sl. No.	Priority Category	Range	No of Subwatersheds	Area (ha)	%
1.	Very High	1100 and above	-	-	-
2.	High	1000-1099	6	23,644	23.71
3.	Medium	900-999	10	35,615	35.72
4.	Low	800-899	13	40,456	40.57
5.	Very Low	Below 800	-	-	-
Total			29	99715	100.00

10. District wise Distribution of Priority Categories

Sl. No	Priority Category & Range	Area (ha)			%
		Giridih	Hazaribag	Total	
1.	Very High 1100 and Above	-	-	-	-
2.	High 1000-1099	8655	14989	23644	23.71
3.	Medium 900-999	-	35615	35615	35.72
4.	Low 800-899	-	40456	40456	40.57
5.	Very Low Below 800	-	-	-	-
Total		8655	91060	99715	100.00

Salient Features

- Out of total survey area (99715 ha) an area of 23644 ha (23.71%) fall under high priority.
- Very gentle to gentle slopes are predominant and cover 59.4%, whereas nearly level to very gentle slopes and very steep slopes are extended over 8.68 and 3.5 percent of survey area.
- Moderately deep to deep soils cover 54.54%, whereas very shallow to shallow soil confined with 0.85% of survey area.
- Moderate to severe and severe to very severe erosion together cover 28.37% of survey area.
- An area of about 17.77% is poorly conserved and need immediate attention for soil and water conservation measures.