

Report on Reprioritisation of Subwatersheds in Maithan Dam Catchment (2A2E2 to 2A2E7 Watersheds) under Barakar River (RVP) Catchment, Districts Dhanbad, Dumka, Giridih and Hazaribag of Bihar and District Barddhaman of West Bengal

Abstract

1. **Survey Area** : Maithan Dam Catchment (2A2E2 to 7 Watersheds) under Barakar River (RVP) Catchment in Dhanbad, Dumka, Giridih and Hazaribag districts of Bihar and Barddhaman district of West Bengal
2. **Total Area Mapped** : 5,30,950 ha.
3. **Location** : $23^{\circ} 41'$ to $24^{\circ} 31'$ N Latitude and $85^{\circ} 27'$ to $86^{\circ} 53'$ E Longitude
4. **Agro Climatic Zone** : Middle Gangetic Plain and Eastern plateau and hills (Zone 4 & 7) as per National Planning Commission's classification.
5. **Kind of Survey** : Rapid Reconnaissance Survey for priority delineation.
6. **Period of Survey** : December 1996 to 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.	A1	908	0.2
2.	A3	1115	0.2
3.	A4	32	-
4.	C1	10253	1.9
5.	C2	2071	0.4
6.	C3	20215	3.8
7.	C4	3600	0.6
8.	C5	1991	0.3
9.	C6	41928	8.0
10.	C7	18016	3.4
11.	C8	33771	6.4
12.	C9	116579	22.0
13.	C10	65982	12.4
14.	C11	56968	10.7
15.	C12	27906	5.3
16.	C13	16878	3.2
17.	C14	34294	6.5
18.	C15	63354	12.0
19.	River	6096	1.1
20.	Road	10	-
21.	Reservoir	6613	1.2
22.	Tank	31	-
23.	H.S.	2239	0.4
24.	Rly. Line	10	-
25.	Coal Field	90	-
Total		530950	100.0

9. Priority Categorisation

Sl. No.	Priority Category	Range	No of Subwatersheds	Area (ha)	%
1.	Very High	1100 and above	18	53333	10.0
2.	High	1000-1099	40	116238	21.9
3.	Medium	900-999	81	225530	42.5
4.	Low	800-899	41	113439	21.4
5.	Very Low	Below 800	11	22410	4.2
Total			191	530950	100.0

10. Watershedwise Distribution of Priority Areas

Sl. No.	Priority Category & Range	Watersheds (Area in ha)						Total	%
		2A2E2	2A2E3	2A2E4	2A2E5	2A2E6	2A2E7		
1.	Very High 1100 and Above	-	-	5182	27224	20927	-	53333	10.0
2.	High 1000-1099	6477	22785	30433	38639	8926	8978	116238	21.9
3.	Medium 900-999	34571	37328	26640	58694	48581	19716	225530	42.5
4.	Low 800-899	-	5501	18987	33596	29259	26096	113439	21.4
5.	Very Low Below 800	-	-	2551	-	1556	18303	22410	4.2
Total		41048	65614	83793	158153	109249	73093	530950	100.0

11. Districtwise Distribution of Priority Categories

Sl. No.	Priority Category & Range	Area (ha)					Total	%
		Bihar				W. B.		
		Dhanbad	Giridih	Hazaribag	Dumka	Barddhaman		
1.	Very High 1100 and Above	-	35298	18035	-	-	53333	10.0
2.	High 1000-1099	16773	72350	13233	13475	407	116238	21.9
3.	Medium 900-999	13051	123465	42259	45067	1688	225530	42.5
4.	Low 800-899	5187	62847	45405	-	-	113439	21.4
5.	Very Low Below 800	-	4107	18303	-	-	22410	4.2
Total		35011	298067	137235	58542	2095	530950	100.0

10. Watershedwise Distribution of Priority Areas

Sl. No.	Priority Category & Range	Watersheds (Area in ha)						Total	%
		2A2E2	2A2E3	2A2E4	2A2E5	2A2E6	2A2E7		
1.	Very High 1100 and Above	-	-	5182	27224	20927	-	53333	10.0
2.	High 1000-1099	6477	22785	30433	38639	8926	8978	116238	21.9
3.	Medium 900-999	34571	37328	26640	58694	48581	19716	225530	42.5
4.	Low 800-899	-	5501	18987	33596	29259	26096	113439	21.4
5.	Very Low Below 800	-	-	2551	-	1556	18303	22410	4.2
Total		41048	65614	83793	158153	109249	73093	530950	100.0

11. Districtwise Distribution of Priority Categories

Sl. No.	Priority Category & Range	Area (ha)						Total	%
		Bihar				W. B.			
		Dhanbad	Giridih	Hazaribag	Dumka	Barddhaman			
1.	Very High 1100 and Above	-	35298	18035	-	-	53333	10.0	
2.	High 1000-1099	16773	72350	13233	13475	407	116238	21.9	
3.	Medium 900-999	13051	123465	42259	45067	1688	225530	42.5	
4.	Low 800-899	5187	62847	45405	-	-	113439	21.4	
5.	Very Low Below 800	-	4107	18303	-	-	22410	4.2	
Total		35011	298067	137235	58542	2095	530950	100.0	