

Report on Demarcation of priority subwater sheds of Morhar (Punpun) Catchment, Bihar

ABSTRACT

1. Survey area- Morhar (Punpun) catchment, Distt. Hazaribagh, Gaya, Palamau and Patna, Bihar.
2. Location- 24°06' - 25°32' N. Lat And 84°18' - 85°19' E. Long
3. Total area- 4,10,000 Ha
4. Kind of Survey- Rapid Reconnaissance for priority delineation.
5. Period of Survey- Dec 82-March 83
6. Base materials- Toposheets (1,50,000) and (1,63,360) Aerial photographs (1,25,000) and (1,50,000)
7. Mapping unit details-

Mapping units	Area in ha.	Percentage
A	118966	29.0
B	92650	22.6
C	31969	7.8
D	2775	0.7
E	19607	4.8
G	48308	11.8
H	43833	10.7
J	642	0.2
K	29540	7.2
L	7550	1.8
Water ways	14160	3.4
Total	<u>4,10,000</u>	100

8. Hydrological division

- (a) Catchment- Morhar (Punpun) P-1
- (b) Sub catchment- 9
- (c) Watershed- 31
- (d) Subwatershed 138

(ii)

9. Priority Categorization-

Priority category	Silt yield index	No. of Sub-watersheds	Area in ha.	Percent
Very high	1301 and above	10	36649	8.9
high	1101 - 1300	32	107791	26.3
medium	1001 - 1100	16	35554	8.7
low	901 - 1000	29	74492	18.2
very low	below 900	51	141354	34.5
waterwa s	-	-	14160	3.4
Total		138	4,10,000	100