

Report on Demarcation of priority subwatersheds of Punpun Catchment, Bihar.

ABSTRACT

1. Survey area- Punpun catchment, Distt. Aurangabad, Gaya, Palamau and Patna, Bihar.
2. Location - 24°14' - 25°31' N Lat and 84°6' - 85°11' E. Long
3. Total area 5,34,760 Hectare
4. Kind of survey - Rapid Reconnaissance for priority delineation
5. Period of survey May 81 to April 82
6. Base materials Topo sheets (1:50,000) and (1:63,360)
Aerial photographs (1:25,000) and (1:50,000)
7. Mapping unit details

Mapping unit	Area in ha	Percentage
A	1,71,854	32.1
B	1,58,106	29.5
C	59,270	11.1
D	8,395	1.6
E	2,749	0.5
G	24,109	4.5
H	28,550	5.3
J	585	0.1
K	69,128	13.0
Waterways	12,014	2.3
Total	5,34,760	180.0

9. Hydrological division :-

- a) Catchment- Main Punpun catchment (P)1
- b) Sub catchment 6
- c) Watershed 28
- d) Subwatershed 136

9. Priority categorization

Priority category	Silt yield index range	No. of subwatersheds	Area in ha	Percentage
Very high	1301 and above	9	30,870	5.8
High	1101 - 1300	17	55,199	10.3
Medium	1001 - 1100	24	84,514	15.9
Low	901 - 1000	43	156,700	29.3
Very low	below 900	43	195,463	36.6
Water ways	-	-	120,114	2.2
Total		136	534,760	100.0