

REPORT ON DEMARCATION OF PRIORITY SUBWATERSHEDS
IN DENWA SUBCATCHMENT OF TAWA R.V.P., MADHYA PRADESH

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ABSTRACT

1. Surveyed area : Denwa subcatchment of Tawa R.V.P., Part of Hoshangabad and Chhindwara districts of Madhya Pradesh.
2. Total area : 2,03,563 ha
3. Period of survey: May 1978 to January 1979.
4. Kind of survey : Rapid reconnaissance survey
5. Extent of areas under different erosion intensity mapping units.

<u>Mapping unit</u>	<u>Area in ha</u>	<u>Mapping unit</u>	<u>Area in ha</u>
A	1886	H	2,788
B	2481	J	20,397
C	26874	K	15,028
D	20951	L	5,740
E	59758	M	9,185
F	22549	N	4,081
G	2007	P	3,647
Total :			1,97,372
Balance Tawa reservoir spread			6,191
Total :			2,03,563

- a) Catchment : Part of Tawa Catchment
- b) Sub-Catchment : 1 (Denwa sub-catchment)
- c) Watershed : 7
- d) Subwatersheds : 49

6. Priority classification of watersheds :

<u>Grading</u>	<u>Silt Yield Index</u>	<u>No. of watersheds</u>	<u>Area in ha</u>	<u>Percentage</u>
Very high	Above 1400	8	25420	12.9
High	1300- 1400	19	72980	37.0
Medium	1200- 1300	19	83146	42.1
Low	1100 -1200	3	15826	8.0
Very low	Below 1100	-	-	-
Total :		49	1,97,372	100 %

7. Salient features :

- Broadly, forests, open scrub, mixed bushy vegetation & grass land, occasionally cultivated and cultivated land occupy about 74%, 19%, 4% and 3% area respectively.
- Topographically the area is dominant by high hills (hilly terrain) strong to very steep sloping area is about 42% and 12% of the area is occupied by escarpments.
- Grossly, 76% of land is under severe run-off.
- Shallow to moderately deep soils are extensive and occupy about 68% of the area, whereas about 3% of the area is occupied by deep cracking black soils in patches.