

REPORT ON PRIORITIZATION OF SUBWATERSHEDS IN DANTIWADA  
(R.V.P) CATCHMENT. BANASKANTHA GUJARAT STATE AND  
SIROHI DISTRICTS, RAJASTHAN STATES.

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A B S T R A C T

1. Survey area : Dantiwada RVP Catchment
2. Location : 72 20' 20" to 73 10' 0"  
E. Longitude  
24 10' 36" to 24 55' 0"  
N. Latitude
3. Total area surveyed, mapped & reported : 2,63,568 ha + 7575 ha. *Reservoirs*  
= 271143
4. Period of Survey : December, 1994 to March, 1995
5. Type of survey : Rapid Reconnaissance
6. Base Material : Toposheet (1:50,000 scale)  
Survey of India
7. Hydrologic division : Catchment : Dantiwada  
Subcatchment : 5  
Watersheds : 15  
Subwatersheds : 170
8. Priority Categorization :

| Priority Category | Sediment Yield Index Range | No. of Subwatersheds | Area (ha) | %     |
|-------------------|----------------------------|----------------------|-----------|-------|
| Very High         | 1300 and above             | 52                   | 83,233    | 31.6  |
| High              | 1200-1299                  | 24                   | 39,952    | 15.1  |
| Medium            | 1100-1199                  | 23                   | 35,432    | 12.9  |
| Low               | 1000-1099                  | 26                   | 39,525    | 15.0  |
| Very Low          | Below 1000                 | 45                   | 66,960    | 25.4  |
| Total:            |                            | 170                  | 2,63,568  | 100.0 |

9. Extent of each mapping unit with percentage:

| Erosion Intensity Mapping Units (EIMU) | Area (ha)       | Percent      |
|--|-----------------|--------------|
| G1                                     | 12,273          | 4.6          |
| G2                                     | 13,515          | 5.1          |
| G3                                     | 11,104          | 4.2          |
| G4                                     | 174             | 0.1          |
| G5                                     | 10              | -            |
| G6                                     | 6,779           | 2.5          |
| G7                                     | 10,674          | 4.0          |
| G8                                     | 5,344           | 2.0          |
| C1                                     | 36,740          | 13.9         |
| C2                                     | 49,541          | 18.8         |
| C3                                     | 25,251          | 9.6          |
| C4                                     | 3,445           | 1.3          |
| C5                                     | 1,460           | 0.6          |
| C6                                     | 11,023          | 4.2          |
| A1                                     | 42,875          | 16.3         |
| A2                                     | 4,497           | 1.7          |
| A3                                     | 17,590          | 6.7          |
| A4                                     | 892             | 0.3          |
| A5                                     | 356             | 0.1          |
| A6                                     | 1,544           | 0.6          |
| E1                                     | 1,365           | 0.5          |
| E2                                     | 7,126           | 2.7          |
| <b>Total:-</b>                         | <b>2,63,568</b> | <b>100.0</b> |