

Report on Detailed Soil Survey and Land
 Use of Gg3c, Gj5a and Gj5b subwatersheds
 of Upper Ganga R.V.P. Catchment Distt.
 Chamoli (U.P)

A B S T R A C T

1. Surveyed Area : Gg3c, Gj5a and Gj5b subwatersheds of Upper Ganga R.V.P. Catchment Distt. Chamoli (U.P)
2. Total Area : 5250 ha.
3. Period of Survey : May 1990 to July 1990
4. Kind of survey : Detailed Soil Survey
5. Soil Series mapped and area covered by each series:

S.No.	Name of the soil series	Subwatersheds area			Grand total	Per- cent age.
		Gg3c	Gj5a	Gj5b		
1.	Berangna	95	128	94	317	6.0
2.	Dewaldhar	79	357	366	802	15.3
3.	Methana	-	56	3	59	1.1
4.	Nawa	2176	633	708	3517	67.0
5.	Papriyana	215	-	-	215	4.1
6.	Rampur Ratli	26	29	2	57	1.1
7.	Habitation	72	23	7	102	2.0
8.	River	137	24	20	181	3.4
TOTAL		2800	1250	1200	5250	100.00

6. Land Capability Classes:

Land Capability Classes	Soil Series	Area in ha.	%age
<u>(A) ARABLE LANDS</u>			
II. "Good arable lands"	Berangna	140	2.6
	Dewaldhar	478	9.1
	Methana	59	1.1
	Rampur Patli	57	1.1
III. "Moderately good arable lands".	Papriyana	38	0.7
IV. "Fairly good arable lands"	Berangna	177	3.4
	Dewadldhar	324	6.2
	Papriyana	177	3.4
Sub Total		1450	27.6
<u>LAND NOT SUITABLE FOR CULTIVATION</u>			
1. Forest land	Nawa	3517	67.0
<u>MISCELLANEOUS LAND</u>			
1. River		181	3.4
2. Habitation		102	2.0
Sub Total		3800	72.4
GRAND TOTAL		5250	100.00

7. Erosion Inventory:

<u>Erosion Class</u>	<u>Area in ha.</u>	<u>Percentage</u>
1. Moderate	1022	19.5
2. Severe	3945	75.1
3. Habitation	102	2.0
4. River	181	3.4
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TOTAL	5250	100.00

8. Salient features and specific problems:

1. About 1022 ha. (19.5%) suffers from moderate and 3945 ha. (75.1%) suffers from severe erosion of the total area and terraces repairs and improvement.
2. About 1450 ha. (27.6%) of the total area is suitable for arable use.
3. Nearly 3517 ha. (67.0%) of the total area is suitable for afforestation.