

ABSTRACT

1. Surveyed area : Sm1a, Sm1b, Sm1c, Sm2a, Sm2b
and Sm2d subwatersheds,
Sutlej R.V.P. catchment,
Tehsil : Ani and Nirmand
Distt. Kulu (H.P)

2. Total area : 13830 ha.

3. Kind of Survey : Detailed soil Survey

4. Period of survey : May to July, 1987

5. Soil series mapped and area covered by each series

	<u>Soil series</u>	<u>Area</u>	<u>Percent</u>
1.	Behna (B)	40	0.3
2.	Bagipul (BP)	466	3.4
3.	Dalash (D)	2223	16.1
4.	Ruhni (R)	57	0.4
5.	Nagan (N)	52	0.4
6.	Kanda (K)	5468	39.4
7.	Sanoti (S)	962	7.0
8.	Tho (T)	206	1.5
9.	Ulwa (U)	3994	28.9
10.	Miscellaneous land	190	1.4
11.	Rock out crop	172	1.2
	GRAND TOTAL	13830	100%

6. AREA UNDER DIFFERENT EROSION CLASSES

	Erosion classes	Total area in ha.	Percent
1.	None to slight erosion.	269	1.9
2.	Moderate erosion.	6359	46.0
3.	Severe erosion	6848	49.5
	Misc. land	190	1.4
	Rockout	172	1.2
TOTAL		13830	100%

7. Area under different land capability classes

	Land capability	Arable lands		Series
		Total area	Percent	
II	Good land minor limitations	814	(5.9)	Behna, Ruhni Nagan, Sonoti, Tho.
III	Moderately good land moderate limitations	4136	(39.9)	Ruhni Ulwa.
IV	Marginal land, major limitations	361	(2.6)	Ulwa

NON-ARABLE LANDS

VII	Major limitations	8157	59.0	Kanda Dalash Bagipal
	Misc. land	190	(1.3)	
	Rockout	172	1.2	
TOTAL:		13830	100%	

SALIENT FEATURES & SPECIFIC PROBLEMS :

1. Out of 13830 hectares, only 5311 ha. (38.4) is suitable for agriculture.
2. About 5934 ha. (43.0%) is suitable for systematic forest management.
3. More than 95 percent of the total area is suffering from moderate and severe erosion hazards.
4. Steep slopes are also suffering from land slides and land slips. Denudation, faulty terraces and tillage practices and cultivation on very steep slopes further adds to the erosion hazards