

Detailed Soil Survey of Kiar (Sg2h) Sub-watershed
Sutlej Catchment, Tehsil & Distt., Simla (H.P.)

A B S T R A C T

1. Surveyed area : Kiar (Sg2h) sub watershed,
Sutlej, R.V.P.Catchment,
Tehsil.& Distt. Simla (HP)
2. Total area : 4402 hectares
3. Kind of survey : Detailed Survey
4. Period of survey : December, 1977 to March, 1978.
5. Soil Series mapped and area covered by each series.

	<u>Soil series</u>	<u>Area in ha.</u>	<u>Percentage</u>
(a)			
1.	Anu	386	8.8
2.	Bhatla	947	21.5
3.	Dhagog	52	1.2
4.	Jhalti	508	11.6
5.	Mashobra	2295	52.1
6.	Shenal	22	0.5
7.	Bhatla Shenal (Complex)	9	0.2
(b)	Misc. Land	183	4.1
	Total	4402	100.00

6. Land Capability Classes with area under each class

<u>Capability Class</u>	<u>Area in ha.</u>	<u>Percentage</u>	<u>Series included</u>
I	38	0.9	Anu-Dhagog
II	485	11.1	Anu-Dhagog-Jhalti
III	435	9.9	Anu-Jhalti, Shenal
VII	966	21.9	Bhatla, Shenal Bhatla-Shenal Complex

Forest management unit(F1)	2295	52.1	Mashobra
Misc. Land	183	4.1	
	<u>4402</u>	<u>100.0</u>	

7. Erosion Inventory

<u>Erosion Class</u>	<u>Area in ha.</u>	<u>Percentage</u>
e2	3662	83.2
e3	557	12.7
Misc. Land	183	4.1
	<u>4402</u>	<u>100.0</u>

Salient features :

- a. Soils of the area mostly occur on hill side slope and suffer from moderate to severe erosion hazard.
- b. About 85.9 percent of the area falls under shallow to moderately deep soils.
- c. An area of 2295 hacters (52.1%) is under forest land as such forest management should form an important part of watershed management programme.
- d. Out of the total area, only 21.8 percent is suitable for arable use.
- e. Mashobra series occupy more than 50% percent area in the subwatershed and is mostly under forests.
- f. Soils of the sub-watershed are invariably gravelly.