

Detailed Soil Survey of Si1a, Si1b, Si1d, Si1f, Si2a, Sg2f, Sg2g, Sj1a, Sj1b subwatersheds, Sutlej catchment, Tehsils Suni and Karsog, Districts Shimla and Mandi (H.P.).

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i. ABSTRACT

1. Surveyed area : Si1a, Si1b, Si1d, Si1f, Si2a, Sg2f, Sg2g, Sj1a, Sj1b subwatersheds, Sutlej R.V.P. catchment, Tehsils Suni and Karsog; District Shimla and Mandi (H.P.).
2. Total area : 12,693 hectares
3. Kind of survey : Detailed soil survey
4. Period of survey : April to July 1988 and May to July 1989
5. Soil series mapped and area covered by each series

Sl.No.	Soil series	Area (hectares)	Percentage
1.	Anu	587	4.6
2.	Bal	13	0.2
3.	Bhanog	418	3.2
4.	Dalash	230	1.8
5.	Dewal	115	0.8
6.	Dhagog	77	0.6
7.	Golan	367	2.8
8.	Jhalti	945	7.5
9.	Mashobra	101	0.7
10.	Mandorghat	49	0.4
11.	Paliyar	274	2.2
12.	Sukhan	4980	39.3
13.	Taran	1444	11.4
14.	Thogi	60	0.5
15.	Ulwa	187	1.5
16.	Swkhan Taran	1199	9.5
17.	Misc. Land	1647	13.0
	Total	12693	100.0

6. Land capability classes with area under each class

Capability class	Area in hectare	Percentage	Soil series included
II	920	7.2	Anu, Dhagog, Dewal, Mandorghat, Paliyar
III	1393	11.0	Anu, Bal, Golan, Jhalti Ulwa
IV	361	2.9	Dawal, Golan, Jhalti, Paliyar
VII	7623	60.0	Sukhan, Taran
F1	749	5.9	Bhagog, Dalash, Mashobra
Misc. land & Rock out crops	1647	13.0	
Total	12693	100.0	

7. Erosion Inventory

Erosion class	Area in hectares	Percentage
e1	36	0.3
e2	2630	20.7
e3	8380	66.0
Misc .land+ Rock. out crops	1647	13.0
Total	12693	100.0

8. Salient Features

1. Soils of the area suffer from moderate to severe erosion.
2. About 50.2% area falls under very shallow and shallow soils
3. An area of 749 hectares (5.9%) is under forest land as such forest management should form an important part of watershed management programme.
4. Only 21.1 percent of the total area is suitable for arable use.
5. Soils of the subwatersheds are invariably gravelly.