

Detailed soil survey of parts of Bathu Khad  
(Bc5a), and Barri Khads (Bc5c & Bc5h), Beas  
C.V.P. catchment, Tehsil & District Kangra,  
Himachal Pradesh

A B S T R A C T

- I Survey area - Part of Bathu and Barri khads.  
Bc5a, Bc5c and Bc5h respectively,  
tehsil and District Kangra H.P.
2. Total area - 3150 ha
3. Kind of survey- Detailed soil survey
4. Period of survey- May 1980 to July 1980
5. Soil series mapped and watershed wise area

S.No.	Name of the soil series	Total area in ha.	Sub watershed wise distribution area in ha. %		
			Bc5a Area %	Bc5c Area %	Bc5h Area %
1.	Chamasa	265	84 (6.6)	174 (15.8)	7 (0.9)
2.	Garh	440	143 (11.2)	204 (18.6)	93 (12.0)
3.	Keloha	906	373 (29.1)	251 (22.8)	282 (36.7)
4.	Ranital	995	504 (39.4)	262 (23.8)	229 (29.8)
5.	Sadwan	322	133 (10.4)	91 (8.2)	98 (12.8)
.	Miscellaneous	95	18 (1.4)	77 (6.9)	-
	Nala-River	127	25 (1.9)	42 (3.9)	60 (7.8)
Total		3150	1280 (40.6)	1101 (34.9)	769 (24.5)

6. Area under different land capability classes

Capability class	Total area in ha	Sub-watershed wise distribution Area in ha (percentage)		
		Bc5a	Bc5c	Bc5h
IIIe -1	341	108	140	93
IVe-1	99	35	64	-
IVes-1	510	192	220	98
Vies-1	77	25	45	7
Forest land	1901	877	513	511
Miscellaneous	222	43	119	60
<b>Total</b>	<b>3150</b>			

7. Area under different erosion phases  
Area in ha ( Percentage)

Erosion phases	Total area %	Subwatershed-wise distribution		
		Bc5a	Bc5c	Bc5h
Moderate erosion	1040 (33.0)	360 (34.7)	469 (45.0)	211 (20.3)
Severe erosion	1888 (60.0)	877 (46.5)	513 (27.1)	498 (26.4)
Miscellaneous	222 (7.0)			
<b>Total</b>	<b>3150</b>			

