

Detailed Soil Survey of Baner Khad Watershed
(Bc2c, Bc2d, Bc2e, Bc2f, Bc2g; Bc3b, Bc3c, Bc3d;
Bc4b, Bc4c, Bc4d and Bc4e subwatersheds), Beas
R.V.P. catchment, Tehsils Dehra Gopipura and
Kangra, District Kangra, H.P.

CONSOLIDATED ABSTRACT FOR 12 SUBWATERSHEDS

1. Survey area : Baner Khad watershed : Bc2c,d,e,f,g;
Bc3b (Dehra Gopipur Tehsil); Bc3d;
Bc4b and e (Kangra Tehsil) and Bc3c;
Bc4c and d in both the Tehsils,
District Kangra, H.P.

Latitudes : 31°57'-32°08'N

Longitudes : 76°08'-76°16'E

2. Total survey area: 13307 ha.
3. Kind of survey: Detailed survey.
4. Period of survey: December 1977 to May 1979.
5. Soil series mapped and area covered by each series

(a) <u>Soil series</u>	<u>Area in ha</u>	<u>Percentage</u>
1. Bilaspur	287	2.2
2. Chamasa	852	6.4
3. Garh	811	6.1
4. Kalleshar	673	5.1
5. Kaloha	216	1.6
6. Lunsu	415	3.1
7. Matial	178	1.3
8. Ranital	542	4.1
9. Sadwan ✓	74	0.5
10. Tilla	1442	10.9
Sub-total	5490	41.3
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(b) <u>Soil complex</u>		
1. Bilaspur - Chamasa	44	0.3
2. Kaloha - Uttara Bahani	377	2.8
3. Ranital - Tilla	4790	36.0
Sub-total	5211	39.1
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Miscellaneous lands	2387	17.9
Rock outcrops	219	1.7
Grand total	13307	100.0

6. Land capability classes

<u>Land capability unit</u>	<u>Soil series</u>	<u>Area in ha</u>	<u>% of total area</u>
(a) <u>Arable lands</u>			
II-1	Bilas-pur, Kaleshar, Matial & Sadwan	776	5.8
IIe-1	Bilas-pur, Kaleshar and Matial	164	1.2
III-1	Bilas-pur, Garh, Ranital & Sadwan	1024	7.7
IIIe-1	Bilas-pur and Garh	76	0.6
IVs-1	Chamasa soil series and Bilas-pur	551	4.1
IVe-1	Chamasa soil complex		
IVes-1	Chamasa	333	2.5
IVes-2	Chamasa and Lunsu	63	0.5
IVes-3	Lunsu	60	0.5
Sub-total		3047	22.9
(b) <u>Non-arable lands</u>			
Vies-1	Lunsu	304	2.3
Sub-total		304	2.3
Grand total		3351	25.2

7. Area under different erosion phases

<u>Erosion class</u>	<u>Area in ha</u>	<u>Percentage</u>
1. None to slight	2351	17.7
2. Moderate	636	4.7
3. Severe	7714	58.0
Sub-total		80.4
Miscellaneous lands	2387	17.9
Rock outcrops	219	1.7
Grand total		100.0