

DETAILED SOIL SURVEY AND LAND USE OF ARKI KHAD  
(Sd 3 d) SUBWATERSHED, SUTLEJ R.V.P. CATCHMENT,  
TEHSIL ARKI, DISTRICT SOLAN, HIMACHAL PRADESH.

ABSTRACT

1. Survey Area : Arkikhad, Sutlej RVP Catchment,  
Tehsil Arki, Distt. Solan (HP).  
31°-08' to 31°-13' N. Latitude  
76°-57' to 77°-0' E Longitude.
2. Total Area : 2460 ha
3. Period of survey : May to July 1993
4. Type of survey : Detailed soil survey

5. Soil series mapped and area covered under each series.

Sr. No.	Soil series	Subwatershed Sd 3 d (area in ha)	Percentage (%)	Remark
1.	Kajiara	87	3.5	
2.	Mangu	57	2.3	
3.	Madehto	24	1.0	
4.	Shanol	192	7.8	
5.	Sukhan	1131	46.0	
6.	Sarog	21	0.8	
7.	Sukhantir	106	4.3	
8.	Surela	695	28.3	
9.	Tal	36	1.5	
Sub total		2349	95.5	
Miscellaneous		111	4.5	
Grand total		2460	100.0	

6. Area under different land capability units:

Sr. No.	Land capability unit	Subwatershed Sd 3 d (area in ha)	Percentage (%)	Remark
1.	IIE-1	120	4.9	
2.	III-2	21	0.9	
3.	IIIe-1	147	5.9	
4.	IIIe-2	166	6.7	
5.	IVe-1	50	2.0	
6.	IVe-2	19	0.8	
Sub total		523	21.2	
Forest and grass land		1826	74.3	
Miscellaneous		111	4.5	
Total		2460	100.0	

7. Area under different erosion phases :

Sr.No.	Erosion class	Area in ha.	Percentage (%)
1.	Slight (e1)	78	3.1
2.	Moderate (e2)	376	15.3
3.	Severe (e3)	1895	77.1
	Total	234	95.5
	Miscellaneous	111	4.5
	Grand total	2460	100.0

