

Detailed soil survey and land use of Sdiij subwatershed of sahibi (FPR) Catchment, Tehsil and District Gurgaon, Haryana.

ABSTRACT

1. Surveyed area :- Sdiij, subwatershed, sahibi (FPR) catchment Tehsil and District Gurgaon, Haryana.
2. Total area :- 2410 ha.
3. Period of survey :- May-June, 1983.
4. Kind of survey :- Detailed survey
5. Soil Series mapped and area covered by each series

S. No.	Name of the Soil Series	Area in ha	Percentage
1.	Gujarwas (G)	22	0.9
2.	Kakrala (K)	191	7.9
3.	Lukhi (L)	1756	72.9
4.	Roopwas (R)	269	11.1
5.	Sairowar <sup>m</sup> (S)	45	1.9
6.	Habitation	57	2.4
7.	Tank	28	1.2
8.	Gullied land	42	1.7
Total		2410	100.0

6. Land capability classes, their extent and soil series

<u>Land capability class.</u>	<u>Area in ha.</u>	<u>Percentage</u>	<u>Soil Series</u>
<b>A. <u>Culturable land</u></b>			
II good land	167	7.0	Sairowan Lukhi
III Moderately good land	1656	68.5	Sairowan Gujarwas and Lukhi
IV Fairly good land	191	8.0	Kakrala
<b>B. <u>Unculturable land</u></b>			
VI	16	0.7	Roopwas
VII	253	10.5	*
<b>Subtotal</b>	<b>2283</b>	<b>94.7</b>	
<b><u>Miscellaneous land</u></b>			
Habitation	57	2.4	
Tank	28	1.2	
Gullied land	42	1.7	
<b>Sub total</b>	<b>127</b>	<b>5.3</b>	
<b>Grand total</b>	<b>2410</b>	<b>100.0</b>	

7. Salient features :-

1. About 2014 ha. (83.5%) of the total area constitute culturable arable.
2. About 269 ha. (11.2%) of the total area is suitable for grassland and forestry.
3. Out of the total area of 2410 ha, 1798 ha. (74.6%) suffer from moderate erosion hazard and 253 ha (10.5%) from severe erosion problem. 42 ha. (1.7%) area have been mapped as gullied land and need special attention.
4. Soils of the area are low in waterholding capacity and therefore water conservation is important.

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