incipacinatal wiftdepso basil tas fior Report on detailed soil and land use survey of Mb4a, Mb4b Mb4c and Mb4d Sub watersheds of Mahi catchment. Santrampur, District Panchmahal (Gujarat).

ABSTRACT

- 1. Survey area: very high and high priority sub watersheds Mb4a, Mb4c and Mb4d, Mahi catchment, Taluka Santrampur, District Panchmahal (Gujarat).
- Total area reported and and mapped: 8467 ha.
- Kind of survey: Detailed survey
 Period of survey: November 1979 to March 1980.
- a) Soil series mapped and area covered by each series in ha.

		Control magazine and a second	
S.No.	Soil Series	Area in ha area	Percentage
1.	Batakwada /	340 ✓	4.0
2.5	Dunger J	576)	6.8
3.	Galalpura /	9 21 86 444 J 75mm	5.2
4.	Jher J	3,450	40.8
5.	Karodia -	390 /	4.6
6.	Navagarah J	268	3.2
7.	Simaliya -	638	7.6
8.	Valunda J	261 - 10 180 180 180	3.0
9.	Wadwas	1,766 00	20.8
10.	Miscelleneous lands	or abra 334 to tucos	4.0
	Total	8,467	100.0

Area under different erosion phases:

S.No.	Erosion	Area in ha	Percentage
1.	Slight	819	9.7
2.	Moderate	1,808	21.3
3.	Severe	5,506	65.0
4.	Miscelleneous land	334	4.0

5. Soil and Land capability classification:

S.No.	Land capability	Area in ha	%	Name of soil series
1.	II-1 American Communication	729	8.6	Batakawada, Dungar, Navagarah and
ebo	derades els estate			valunda.
2.20	IIe-1	8511 500	10.0	Batakawada, Dungar
.(0.	ogetus) radaman	一点小小型的 全面原	DAGN .	Simalia and valunda.
3.	IIw-1	90 td.	1.0	Batakawada and Dungar.
4.	IIIe-1	413	4.9	Simali ya
5.	IIIes-1	720	8.5	Galalpura and Wadwas
6.	IIIes-2	1227	14.5	Galalpura and Wadwas
7.	IVes-1	263	3.1	Galalpura and Wadwas
8.	VIes-1	10119119	12.0	Jher and Karodiya
9.	VIIes-1	2829 970	33.4	Jher and Karodiya
10.	Miscelleneous	334	4.0	to potted (d
The second second	Andrew Control of the	44 116 100 L	led lem	waites IION To
eraente	Total at sor	8467	100.0	And the state of t

6. Salient features:

- a. Nearly 50.6 area is cultivable, out of which 26.0% area have major limitations. 45.4% area is suitable only for forestry and pasture.
- b. Nearly 9.7% area is under slight erosion/under moderate & erosion and 65.0% area is under severe erosion and needs soil conservation measures.
- c. About 71.4% area is under very shallow to shallow and moderately deep soil and needs special soil and water conservation.
- d. About 45.5% of the area is under moderate to steep slopes and have high runoff potential.
- e. About 7: .4% area have gravelly sandy loam type of soil.