

REPORT ON DETAILED SOIL SURVEY AND LAND USE OF 5B1B1 a4, c8, c9, h3, h4, h5, h6, 5B1B2a4, g5, g6, 5B1B3a6, a7, b1, b2, b3, 5B1B5b5, b6, c1, c2, c3, c4, c5, d1, 5B1B6a6, b1, and b2, MICROWATERSHEDS OF 5B1 CATCHMENT, TISWADI, BARDEZ, PERNEM TALUK OF NORTH GOA DISTRICT, SALCETE, MARUMUGOA, QUEPEM AND CANCONA TALUK OF SOUTH GOA DISTRICT GOA STATE.

ABSTRACT

1. Surveyed area : 5B1B1a4, c8, c9, h3, h4, h5, h6, 5B1B2a4, g5, g6, 5B1B3a6, a7, b1, b2, b3, 5B1B5b5, b6, c1, c2, c3, c4, c5, d1, 5B1B6a6, b1, and b2, micro watersheds of 5B1 catchment, Tiswadi, Bardez, Pernem taluk of North Goa district, Salcete, Marumugoa, Quepem and Cancona taluk of South Goa district, Goa State.
2. Total area mapped and reported : 24358 hectares.
3. Period of survey : December 2001 to April 2002.
4. Kind of survey : Detailed soil survey.
5. No. of surveyed villages (part or full) : 55.
6. Base map used : Cadastral maps (Survey done on 1:4000) Maps produced on 1:7920 scales.
7. Agro climatic zone : Zone XII (The west coast plain and Hill region).
8. Area under different capability classes :

Sl. No.	LCC	Total Area (ha)	Percent	Soil series
1	II	2633	10.8	Chapora, Cortalim, Dhargal, Goculdem, Kansarvarne, Neura , Padi, Velsao, Virmoda
2	III	2386	9.8	Barsen, Curka, Goculdem, Padi
3	IV	9385	38.5	Barsen, Carambolim, , Ella, Goa
4	VI	967	4.0	Maina ,Pale, Kolvale
5	VII	3398	14.0	Maina
6	Misc.	5589	23	-
Grand Total		24358	100	-

9. Soil series mapped and micro- watershed wise extent (in has.)

Sl. No.	Name of the series	5B1B1 a4	5B1B1 h3	5B1B1 h4	5B1B1 h5	5B1B1 h6	5B1B1 c8	5B1B1 c9	5B1B2 a4	5B1B2 g5	5B1B2 g6	5B1B3 a6	5B1B3 a7	5B1B3 b1	5B1B3 b2	5B1B3 b3
1	Barsen	6	206	190	330	240	61	15	182	196	67	-	97	-	-	-
2	Carambolim	51	11	86	-	-	189	18	-	-	-	216	394	85	256	383
3	Chapora	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Cortalim	4	-	-	-	-	66	5	4	-	-	-	-	-	-	-
5	Curka	82	-	-	8	-	69	24	65	-	-	46	56	53	43	194
6	Dhargal	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-
7	Ella	-	-	-	-	-	-	2	-	-	-	43	296	12	63	38
8	Goculdem	8	32	62	36	79	-	-	27	72	15	-	53	-	-	5
9	Goa	89	-	-	-	-	-	-	-	-	-	551	76	-	-	-
10	Kansarvarne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Kolvale	33	-	-	-	-	5	-	-	-	-	4	-	5	-	-
12	Maina	-	277	427	287	784	-	-	-	821	1001	-	-	76	-	-
13	Neura	96	-	-	-	-	69	280	-	-	-	34	52	85	50	139
14	Padi	-	35	210	124	133	-	-	31	74	184	-	-	-	-	-
15	Pale	216	-	-	-	-	44	15	-	-	-	-	-	-	-	-
16	Velsao	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Vimoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		711	561	975	785	1236	511	359	309	1163	1267	894	1024	240	412	759
Miscellaneous.		445	8	41	18	11	511	342	333	26	6	524	277	457	554	1023
Grand Total		1156	569	1016	803	1247	1025	698	642	1189	1273	1418	1301	697	966	1782

Soil series mapped and micro-watershed wise extent (continued)

Sl. No.	Name of the series	Micro watersheds										Total	%	
		5B1B5 b5	5B1B5 b6	5B1B5 c1	5B1B5 c2	5B1B5 c3	5B1B5 c4	5B1B5 c5	5B1B5 d1	5B1B6 a6	5B1B6 b1			5B1B6 b2
1	Barsen	-	30	19	6	218	22	-	34	-	100	-	2019	8.3
2	Carambolim	179	510	451	347	318	244	364	334	337	362	258	5393	22.1
3	Chapora	2	58	-	-	79	-	-	2	4	28	-	173	0.7
4	Cortalim	-	-	-	-	-	-	-	-	-	-	19	95	0.4
5	Curka	39	93	166	60	111	110	131	82	90	42	17	1581	6.5
6	Dhargal	-	-	27	36	117	-	-	-	-	-	-	191	0.8
7	Ella	5	96	22	95	36	6	149	19	180	72	200	1334	5.5
8	Goculdem	-	75	-	-	-	-	-	-	-	5	10	479	2.0
9	Goa	-	-	-	-	-	-	-	-	-	-	-	716	2.8
10	Kansarvrne	-	-	-	-	-	-	198	-	-	-	2	200	0.8
11	Kolvale	44	43	81	16	100	19	81	25	-	33	4	493	2.0
12	Maina	-	-	-	-	-	-	-	-	-	-	-	3597	12.8
13	Neura	-	-	-	-	-	-	-	-	-	-	-	805	3.3
14	Padi	-	-	-	-	6	-	-	-	-	-	-	797	3.3
15	Pale	-	-	-	-	-	-	-	-	-	-	-	275	1.1
16	Velsao	-	-	-	-	-	-	-	-	-	-	-	126	0.5
17	Vimoda	15	82	88	7	55	35	-	55	45	113	-	495	2.0
Total		284	987	854	567	1040	436	923	551	656	755	510	18769	77.1
Misc.		177	111	189	26	150	24	38	44	114	124	16	5589	22.7
Grand Total		461	1098	1043	593	1190	460	961	595	770	879	526	24358	100

