

REPORT ON DETAILED SOIL SURVEY AND LAND USE OF Db1k, Db1m, Db2b, Db2d, Db2k, Db2m, Db2n, Db4c, Db4h, Db4j, Db5d, Db5e, Db5f, Db5g, Db5h, Db5j, Db5k AND Db5m SUBWATERSHEDS OF DANTIWADA R.V.P CATCHMENT, TEHSIL AMIRGARH, DANTA, PALANPUR AND VADGAM, DISTRICT BANASKANTHA, GUJARAT.

A B S T R A C T

1. **Surveyed Area:** Db1k, Db1m, Db2b, Db2d, Db2k, Db2m, Db2n, Db4c, Db4h, Db4j, Db5d, Db5e, Db5f, Db5g, Db5h, Db5j, Db5k and Db5m Subwatersheds Of Dantiwada R.V.P Catchment, Tehsil Amirgarh, Danta, Palanpur and Vadgam, District Banaskantha, Gujarat State.
2. **Location:** 24°12' to 24°23' N Latitude
72°35' to 72°55' E Longitude.
3. **Total Surveyed Area:** 25,000 ha
4. **Number of Villages:** 43
5. **Type of Survey:** Detailed Soil Survey.
6. **Period of Survey:** November, 2000 to July, 2001 & December 2001 to March, 2002.
7. **Agro-climatic Zone:** 13
8. **Number of Soil Mapping Units:** 22

9. SERIESWISE DISTRIBUTION OF AREA UNDER DIFFERENT SUBWATERSHEDS

Area in ha

S.No.	Name of the Soil Series	No. of Soil Mapping Unit	SUBWATERSHEDS (%)																		TOTAL AREA (%)
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
			Db1k	Db1m	Db2b	Db2d	Db2k	Db2m	Db2n	Db4c	Db4h	Db4j	Db5d	Db5e	Db5f	Db5g	Db5h	Db5j	Db5k	Db5m	
1	Achpura	4	14 (0.8)	336 (25.2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73 (4.5)	-	423 (1.7)
2	Ghuda	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	444 (27.5)	117 (19.9)	561 (2.2)
3	Chandela	3	-	-	120 (6.9)	48 (4.0)	49 (3.1)	60 (2.9)	26 (1.6)	10 (0.5)	18 (2.4)	67 (4.4)	31 (3.4)	3 (0.2)		43 (2.4)	12 (1.8)	110 (7.9)	-	-	597 (2.4)
4	Goth	3		235 (17.6)																	235 (0.9)
5	Kumbhariya	4	8 (0.5)	8 (0.6)	269 (15.5)	37 (3.1)	136 (8.7)	58 (2.8)	95 (5.8)	50 (2.8)	16 (2.1)	29 (1.9)	8 (0.9)	32 (1.9)	13 (1.2)	112 (6.4)	18 (2.7)	29 (2.0)	474 (29.4)	237 (40.2)	1629 (6.5)
6	Nagpura	4	1685 (98.7)	714 (53.6)	1109 (63.9)	1072 (89.8)	1289 (82.5)	1855 (89.3)	1474 (89.4)	1733 (95.7)	715 (95.0)	1421 (93.0)	812 (90.3)	1581 (95.2)	1018 (95.9)	1503 (85.2)	641 (95.2)	1128 (81.0)	406 (25.2)	203 (34.5)	20359 (81.4)
7	Richhdi	4	-	-	79 (4.6)	-	41 (2.6)	63 (3.0)	30 (1.8)	12 (0.7)	-	-	35 (3.9)	34 (2.0)	-	79 (4.5)	-	36 (2.6)	60 (3.7)	9 (1.5)	478 (1.9)
8	Sabalpani	1	-	-	27 (1.5)	29 (2.4)	35 (2.2)	-	17 (1.0)	-	-	9 (0.6)	-	-	-	9 (0.5)	-	-	-	-	126 (0.5)
	SUB TOTAL		1707 (100.0)	1293 (97.1)	1604 (92.4)	1186 (99.3)	1550 (99.2)	2036 (98.0)	1642 (99.6)	1805 (99.7)	749 (99.5)	1526 (99.9)	886 (98.6)	1650 (99.4)	1031 (97.1)	1746 (99.0)	671 (99.7)	1303 (93.5)	1457 (90.3)	566 (96.1)	24408 (97.6)
	Misc		-	39 (2.9)	131 (7.6)	8 (0.7)	12 (0.8)	42 (2.0)	6 (0.4)	6 (0.3)	4 (0.5)	2 (0.1)	13 (1.4)	10 (0.6)	31 (2.9)	17 (1.0)	2 (0.3)	90 (6.5)	156 (9.7)	23 (3.9)	592 (0.8)
	GRAND TOTAL		1707 (100.0)	1332 (100.0)	1735 (100.0)	1194 (100.0)	1562 (100.0)	2078 (100.0)	1648 (100.0)	1811 (100.0)	753 (100.0)	1528 (100.0)	899 (100.0)	1660 (100.0)	1062 (100.0)	1763 (100.0)	673 (100.0)	1393 (100.0)	1613 (100.0)	589 (100.0)	25000 (100.0)

