

Report on the Detailed Soil Survey and Land Use of
Dala, Dalb, Da2a, Da2b, Dd1b, Dd1c, Dd1d, Dd2a,
Dela, De2a and De3a Sub-watersheds of Dantiwada
Catchment (Banas R.V.P.), Tehsils Abu Road, Pindwara
and Revedar, District Sirohi, Rajasthan.

A B S T R A C T

1. Survey Area : Dala, Dalb, Da2a, Da2b, Dd1b, Dd1c, Dd1d, Dd2a, Dela, De2a and De3a Sub-watersheds of Dantiwada Catchment (Banas R.V.P.).
2. Location : $24^{\circ}27'$ - $24^{\circ}35'$ NL
 $72^{\circ}36'$ - $72^{\circ}42'$ EL and
 $24^{\circ}32'$ - $24^{\circ}38'$ NL
 $72^{\circ}46'$ - $72^{\circ}55'$ EL
3. Total area : 15892 hactares.
4. Type of survey : Detailed Soil Survey
5. Period of Survey : November 1985 to May 1986.

6. Soil Series mapped and area covered by each series in different subwatersheds

Sl.No.	Name of the soil series (Symbol)	Subwatersheds (Area in hactares)					
		Da1a	Da1b	Da2a	Da2b	Dd1b	Dd1c
1.	2.	3.	4.	5.	6.	7.	8.
1.	Achpura(A)	50 (2.5)	2 (0.1)	253 (16.7)	40 (1.5)	341 (26.0)	126 (16.3)
2.	Bhimana(B)	484 (24.6)	188 (10.2)	396 (26.1)	645 (24.4)	36 (2.7)	86 (11.1)
3.	Chandela(C)	167 (8.5)	73 (4.0)	48 (3.2)	91 (3.4)	18 (1.4)	39 (5.1)
4.	Kasindra(K)	72 (3.7)	28 (1.5)	387 (25.5)	12 (0.5)	85 (6.5)	148 (19.2)
5.	Morthala(MO)	-	-	-	-	-	11 (1.4)
6.	Nagpura(N)	988 (50.3)	1350 (73.3)	309 (20.3)	1704 (64.6)	747 (56.8)	291 (37.7)
7.	Panchdevela(P)	58 (3.0)	31 (1.7)	-	26 (1.0)	-	-
Sub-total		1819 (92.6)	1672 (90.8)	1393 (91.8)	2518 (95.4)	1227 (93.4)	701 (90.8)

8. SPECIAL PROBLEMS & SALIENT FEATURES

Seven soil series have been mapped. Out of this three soil series namely Bhimana(16.0%), Kasindra(9.5%) and Nagpura (45.5%) are relatively extensive.

Of the total area of 15892 hactares, only 7064 ha.(44.5%) is suitable for agriculture.

About 6248 ha.(39.3%) area is under forest and needs proper forest management.

Nearly 1014 ha.(25.3%) area have moderate erosion hazards where as about 9973 ha.(62.7%) have severe erosion problem. Both require very suitable soil conservation measures.

Very shallow to shallow soils cover an area of about 7714 ha.(48.6%) and are suitable for pasture and forest development programme.