

**DETAILED SOIL SURVEY AND LAND USE OF Nf2j & Nf2k
SUBWATERSHEDS, NARMADA CATCHMENT,
WEST NIMAR DISTRICT OF MADHYA PRADESH.**

ABSTRACT

1. **Survey Area** : Nf2j, Nf2k subwatersheds, Narmada catchment.
2. (a) **Total Surveyed area** : 6414 ha
(b) **Subwatersheds** : Nf2j – 3699 ha
Nf2k– 2715 ha
6414 ha
- (c) **Period of Survey** : May & June, 1997
- (d) **Type of Survey** : Detailed Soil Survey
- (e) **Agroclimatic Region** : 9% Assured rainfall, Deep black soils Malwa Plateau and Narmada Basin
3. **Soil series mapped and are covered by each in hectare**

S. No.	Name of Soil Series and Symbol	No. of mapping Units	Total area in ha & percentage	Nf2j	Nf2k
1.	Akbarpur (A)	1	109 (1.7%)	67	42
2.	Balsamud (B) ✓	2	1416(22.1%)	674	742
3.	Chichlay (C)	2	249(3.9%)	152	97
4.	Dhalkheda (D)	2	61(0.9%)	58	3
5.	Jalanpur (J)	2	375(5.8%)	305	70
6.	Kasrawad	3	544(8.5%)	277	267
7.	Lakhangāon	2	367(5.7%)	367	—
8.	Mubarkabad	2	95 (1.5%)	86	241
9.	Navratori ✓	5	1173(18.3%)	461	712
10.	Rahmatpur ✓	4	718(11.2%)	546	172
11.	Shahabad	4	533(8.3%)	386	147
	Total & Percentage		5640(87.9%)	3379	2261
	Miscellaneous		774(12.1%)	320	454
	Grand Total		6414(100%)	3699	2715

4. **Area under different Land capability classified**

Capability Class	Area in ha and Percentage	Nf2j	Nf2k	Soil Series
II	1825(28.4%)	977	848	Balsamud, Chichlay, Shahabad
III	1279(19.9%)	893	386	Balsamud, Chichlay, Dhalkheda, Lakhangaon, Mubarkabad, Navratori
IV	850(13.3%)	609	241	Akbarpur, Dhalkheda, Navratori, Rahamatpur, Jalanpur, Shahabad
VI	1336(20.8%)	720	616	Kasrawada, Navratori, Rahmatpur
VII	350(5.5%)	180	170	Kasrawad
Total	5640(87.9%)	3379	2261	
Miscellaneous	774.00(12.1%)	320	454	
Grand Total	6414(100%)	3699	2715	

5. **Salient Features**

- 1) 9.5 % area is under very shallow depth.
- 2) 21.5% area is under shallow depth.
- 3) 9.3% area is under moderately deep soil depth.
- 4) 4.4% area is under deep depth class.
- 5) 55.3% of area is under very deep depth class.
- 6) 66.5% area is under moderate erosion class.
- 7) 24.8% area is under severe erosion class.
- 8) 8.7 of area is their very severe erosion class.
- 9) 43.8% area is under very gentle slope class.
- 10) 34.8% area is under gentle slope class.
- 11) 4.6% area is under moderate slope class.
- 12) 10.6% area is under strong slope class.
- 13) 6.2% area under steep slope class.