

Report on Detailed Soil Survey and Land Use of Jb2j, Jb2k, Jb2m, Jb2p, Jb2q, Jb2r, Jb3c and Jb5a subwatersheds, Jayakwadi catchment, Tahsil Shevgaon and Pathardi, District-Ahmadnagar, Maharashtra State.

A B S T R A C T

1. Survey area                      Priority Subwatersheds Jb2j, Jb2k, Jb2m, Jb2p, Jb2q, Jb2r, Jb3c and Jb5a of Jayakwadi catchment, Tahsil-Shevgaon and Pathardi, District-Ahmadnagar (Maharashtra)
2. Total area mapped - 20,277 ha.
3. Period of Survey - November 1991 to March 1992  
November 1992 to March 1993
4. No. of villages (fully or partly covered) - 32
5. Soil Series mapped and area covered by each (ha)

6. Land capability classification

Land capability class	Total Area ha	%	Name of the Soil Series
II-1	84	0.4	Balanagar
II-2	402	2.1	Balanagar
IIs-1	1041	5.4	Jambhali, Lakhegaon
IIes-1	3254	16.8	Jambhali, Lakhegaon
IIIe-1	797	4.1	Balanagar
IIIes-1	1921	9.9	Jambhali, Lakhegaon
IIIes-2	1215	6.3	Wava
IIIes-3	1217	6.3	Wava
IVe-1	99	0.5	Balanagar
IVes-1	415	2.1	Chinchori, Kapuswadi, Lakhegaon, Nilisgaon.
IVes-2	2517	12.4	Chinchori, Hundalwadi, Kapuswadi, Nilisgaon, Padli, Wava.
IVes-3	2266	6.0	Hundalwadi, Kapuswadi, Nilisgaon, Padli
IVes-4	152	1.1	Nilisgaon
IVes-5	75	0.4	Wava
VIes-1	1438	7.3	Gadewat
VIes-2	538	3.1	Gadewat, Hundalwadi, Kapuswadi
VIIes-1	2144	10.9	Gadewat.

5. Salient features and specific problems :

- The survey area is predominantly covered by deep to very deep soils occupying 39.6% of the total Survey area.
- An area of 8107 ha (41.4%) is under gentle slopes.
- An area of 11738 ha (60.0%) suffers from moderate erosion hazards, where as 6712 ha (34.3%) is having the problem of Severe erosion.