

Report on Detailed Soil and Land Use Survey
of Jb3d, Jb3f, Jb4b, Jb4c, Jb4j, Jb4k, Jb4m and Jb5b
Subwatersheds, Jayakwadi Catchment, Tahsil-Shevgaon
and Pathardi, District-Ahmadnagar and Tahsil- Asti,
District - Bir, Maharashtra State.

A B S T R A C T

1. Survey area : Priority subwatersheds Jb3d, Jb3f, Jb4b, Jb4c, Jb4j, Jb4k, Jb4m and Jb5b of Jayakwadi Catchment, Tahsil-Shevgaon and Pathardi, District - Ahmadnagar and Tahsil-Asti, District - Bir, Maharashtra State.
- 2.A) Total area
 - (A) Mapped & Reported : 24,339 ha
 - (B) Period of Survey : Nov.,92 to March, 93
3. No. of villages : 52
4. Distribution of area under different Soil Series

Sr. No.	Soil Series	Total area (ha)	Percentage
1.	Balanagar	601	2.6%
2.	Chinchori	843	3.6%
3.	Gadewat	1538	6.6%
4.	Jambhali	1407	6.1%
5.	Kapuswadi	5139	22.1%
6.	Lakhegaon	6323	27.2%
7.	Nilisgaon	1879	8.1%
8.	Petamandi	1053	4.6%
9.	Wawa	377.1	16.2%
Total :		23,225	100%
Other features including Habitatation, Nala's, Roads, Canal etc		1114	

Grand Total : 24,339

5. Distribution of area under different Land Capability classes

Sr. No.	Land Capability Class	Total area ha	Percentage	Soil Series
1	II	5987	25.8%	Balanagar, Jambhali and Lakhegaon.
2	III	5626	24.2%	Balanagar, Jambhali, Lakhegaon and Wava
3	IV	9403	40.5%	Balanagar, Lakhegaon, Chinchori, Jambhali, Kapuswadi, Nilisgaon, Padli and Wava
4	VI	586	2.5%	Gadewat
5	VII	1623	7.0%	Gadewat & Petamandi
Total		23225	100%	

Specific Problems

Sr. No.	Erosion	Total problematic area	Percentage	Soil Series
1.	Moderate erosion	15453	74.3	Balanagar, Jambhali, Lakhegaon, Chinchori, Padli, Nilisgaon, Kapuswadi and Wava.
2.	Severe erosion	5337	25.7%	Balanagar, Jambhali, Lakhegaon, Chinchori, Padli, Nilisgaon, Wava, Kapuswadi, Gadewat and Petamandi
Total		20790	100%	