

**Report on Detailed Soil Survey and Land Use of Jb5c, Jb5d,
Jb5f and Jb5k Subwatersheds of Jayakwadi Catchment (RVP),
Newasa, Pathardi and Shevgaon Taluka, Ahmednagar District,
Maharashtra State.**

ABSTRACT

1. Survey Area : Jb5c, Jb5d, Jb5f and Jb5k Subwatersheds
Jayakwadi, Catchment Tahsil:-Newasa,
Pathardi & Shevgaon; District:-
Ahmednagar, Maharashtra State
2. Agro Climatic Zone : VI
3. Total area reported and mapped : 13,473 ha.
4. Type of survey : Detailed Soil Survey
5. Period of Survey : March 2003 to June 2003
6. Soil Series Mapped and area in (ha), their extent with percentage:

Sr. No.	Name of Soil Series	Total Area in ha	Percentage (%)
1	Akhegaon	582	4.3
2	Balanagar	1349	10.0
3	Gadewat	1491	11.0
4	Jambhali	698	5.2
5	Kapuswadi	1449	10.8
6	Lakhegaon	1586	11.8
7	Padali	2114	15.7
8	Shevgaon	1966	14.6
9	Wawa	1855	13.8
	Total	13,090	-
	Misc. (Road , River, Nala, Village etc.)	383	2.8
	GRANT TOTAL	13,473	100.0

7. Distribution of area under different Land Capability Classes:

Sr. No	Land Capability Class	Total Area in ha	Percentage (%)	Soil Series
1	II	3576	27.3	Akhegaon, Balanagar, Jambhali, Lakhegaon
2	III	2347	17.9	Akhegaon, Balanagar, Lakhegaon and Wawa
3	IV	5676	43.4	Balanagar, Kapuswadi, Padali, Shevgaon
4	VI	1491	11.4	Gadewat
Total		13,090	100	

8. Salient features and specific problems:

The surveyed area is predominantly covered by shallow to very shallow soils spread over 7020 ha (53.63%), which is followed by deep to very deep soils with 4,215 ha (32.2%) and moderately deep soils of 1,855 ha (14.17 %)

Around 3,049 ha of (23.29%) area suffer from severe erosion and requiring erosion control measures on priority basis. About 9,358 ha, area (71.49%) is affected by moderate erosion hazards.

Most erosionally affected subwatershead is Jb5f, which accounts for 6,401 ha. under moderate to severe erosion, followed by Jb5K (2312ha), Jb5C (2177ha) and Jb5d (1517 ha) subwatersheds.