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ABSTRACT

1. Survey Area : Betul District (Madhya Pradesh).

2.a. Total area of district : 10,07,800 ha.

Total area reported
and mapped. : 10,07,800 ha

3. Period of survey : Dec. 1977 to March 1979.

4. Soil Series mapped and area (ha) covered :

Sr. No.	Name of Series	Betul	Bhaisdehi	Multai	Total of Distt.
1.	Amdhana	19491	-	-	19491
2.	Bamendeo	6858	1272	-	8130
3.	Banabohra	15971	1761	7078	24810
3.	Bothia	39432	106549	40022	186003
5.	Dehri	3339	-	7261	10600
6.	Dhadgaon	2075	-	-	2075
7.	Dharampur	2436	-	-	2436
8.	Dharni	1714	3522	11527	16763
9.	Gopaltalai	1805	12327	29494	43626
10.	Gopinathpur	2075	-	-	2075
11.	Hatnora	50892	7827	1996	60715
12.	Handipani	5414	-	-	5414
13.	Jamun Bichchwa	3157	-	10074	13231
14.	Khargandi	3339	-	-	3339
15.	Kujaba	2797	-	2359	5156
16.	Nagona khurd	1895	5381	1089	8365
17.	Masod	-	98	12433	12531
18.	Multai	51794	127291	70242	249327
19.	Patauapur	1895	-	-	1895
20.	Pohera	3429	10078	-	13507
21.	Potkheda	10829	12133	20691	43653
22.	Panji	9745	3816	-	13561
23.	Rateda	-	-	3176	3176
24.	Saikheda	-	-	2087	2087

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Sr. No.	Name of Series	Betul	Bhaisdehi	Multai	Total of Dist
25.	Sakmandai	7038	6360	-	13398
26.	Samzira	1263	196	8531	9990
27.	Tamzira	-	-	998	998
28.	Tikari	47283	4109	-	51392
29.	Umarwani	71406	20253	-	91359
30.	Wayagam	-	-	1906	1906
Total :		367072 (89.1)	322973 (94.4)	230964 (90.9)	921009 (91.4)
Other feature habitation, River, Nala, Road etc.		44665 (10.9)	18983 (5.6)	23143 (9.1)	86791 (8.6)
Grand Total :		411737 (100.0)	341956 (100.0)	254107 (100.0)	1007800 (100.0)

5. Salient features of the data generated by the District Sample Survey:

- Nearly 48% (4.62 lakh ha) of the total area is cultivated out of which 8.7% is rainfed.
- Mostly open wells are used for providing irrigation in all the three talukas of the district. Prospectus of development of surface water resources and ground water development is quite good.
- Forest covers 37.2% of the total area of the district. Forest lands are most extensive in Betul and Bhaisdehi is classed as poor to medium stand. There is need for the development of forest.
- Although private grazing lands are not extensive, open forest and common grazing lands are enough to cater the needs of the cattle population.
- Cultivable waste lands in the district is only 4.9% of the total area.
- Barren and uncultivable lands (such as lands with rock-out crop) cover 0.08%.
- Area under seasonal rivers, streams & Nallas in Betul, Multai & Bhaisdehi talukas are 28785 ha, 11798 ha and 11448 ha respectively.

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8. Single crop rainfed and double crop open well irrigated area in the district is 38.2% and 4.3% respectively. There is ample potential for improvement in irrigation sources.

6) Capability Classification :

Land Capability Class	Total area in ha			
	Betul	Bhaisdehi	Multai	Total for District
II	71465 (17.4)	24558 (7.2)	43016 (16.8)	139039 (13.8)
III	17144 (4.2)	5968 (1.7)	19784 (10.9)	42896 (4.3)
IV	151412 (36.7)	156643 (45.8)	115890 (45.6)	423945 (42.1)
VI	34289 (8.3)	27298 (8.0)	11708 (4.6)	73295 (7.2)
VII	92761 (22.5)	108506 (31.7)	40567 (16.0)	241834 (24.0)
Grand Total:	367071	322973	230965	921009

7) Extent of Erosion :

Name of Erosion	Betul	Bhaisdehi	Multai	Distt. Total
Moderate erosion	168467 (40.9)	133455 (39.0)	107995 (42.5)	409917 (42.7)
Severe erosion	182543 (44.3)	189518 (55.4)	102731 (40.4)	474792 (47.1)
Very severe erosion	4783 (1.2)	-	-	4783 (0.5)

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8) Treatment Needs :

Area (ha)

- 1. Treatment not needed 31516
- 2. Treatment needed but not applied. 7,73,933
- 3. Treatment applied but inadequate 1,15,560