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RESEARCH ARTICLE

DEMOGRAPHIC STUDIES OF PULAMPATTI WATERSHED, DHARMAPURI DISTRICT

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ABSTRACT

In the present day numerous scarcity of water in and around of the world, have been facing due to the lack of pollution activities via man-made and natural hazards. The quantities analysis of morphological characters of any watershed will be adopted various analyses. In addition to this also the Demographic characteristic studies of any lands with system have adopted in the any kind of approaches or characters. Geospatial techniques were given the solution for sustainable development of the Land and water sectors human habitation. In addition also the planning scenario too also. The present paper is deal to Demographic characters analysis of the Pulampatti Watershed, Salem district. The study includes census of Tamilnadu 2011 data included for the study and also filed and Lab analysis for manual tracing methods through SOI and also verified through filed also too.

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INTRODUCTION

The application principals of the mathematical statistic to quantities geomorphology is essential is meaningful conclusion are to be achieved. In practice. A particular geometric by measuring from maps or aerial photographs or by different field surveys. When a sample of say 50 or 100 measurement is thus obtained, the standard methods of frequently distribution analysis are used. The individual measurements, termed verities are grouped into classes, and the nature of the distribution examined. The many geometric properties of drainage basins particularly those having the dimension of length area, volume are characteristically, log normal in distribution, where as others properties, particularly dimensionless rations and angular values Melton collected an extensive body of morph metric data on drainage basin and discusses the sample size-requirement for use in statistical test.

Study area

Pulampatti stream origin from north portion of thumpalappatti with flowing towards south eastern side by are Gendigenhalli, sangenampptti, and total area of watershed is 158.3with in a revenue villages. From the boundary of the watershed is flowing from Dharmapuri district major Taluk of the karimanagalam. The watershed is study one of the area total 78˚0′East to 78˚ 15′ East longitude and 12˚ 13′ north to 12˚ 30′ north of longitude the major physical feature has controlled to the structural paddy and fluvial process in the study area .In general physical any area may be mountain plants and plain from the present study area major to relief order like upland and plain. The chooses study area located in the ported of karimangaiam (tk) and there adjutants place they pulampatti agricultural trended from thumpallapatti dam flow village name thumpalapatti river flowing an NN and SE with length at 55km. In general the study flow from the Boomanur revenue villages located between Sudappatti and Bikkanhalli of the sub-watershed. The physical features of the watershed are plateau and plain zone in nature. The mostly the sub-watershed adopted micro level tanks with perennial one. The sub-watershed extend Latitudes 78º 0' 12′-780º5' E, Longitudes12º 15'-12º0 28'N fall in the zone. The most of the watershed fall in plain with without scrub area. Soil of the watershed is found in the red color in nature of the area. The favorable soil condition is supported to the potential agricultural activities. The Land use and Land cover of the sub-watershed is found the one more check dam around the area with perennial one. The pattern of the land use some of the Plantation crops with plantation in nature because of the nearer the sugar industries.The drainage of the sub-watershed is found around the area many small tanks. The surrounded other villages like, Panchapatti, Vadakampatti, Konampatti etc. The drainage of the bommanur is river, canal and tank system fall under the linear patterns of the drainage. From the sub-watershed also many tank system, the all objects nearer the panchapalli dam.

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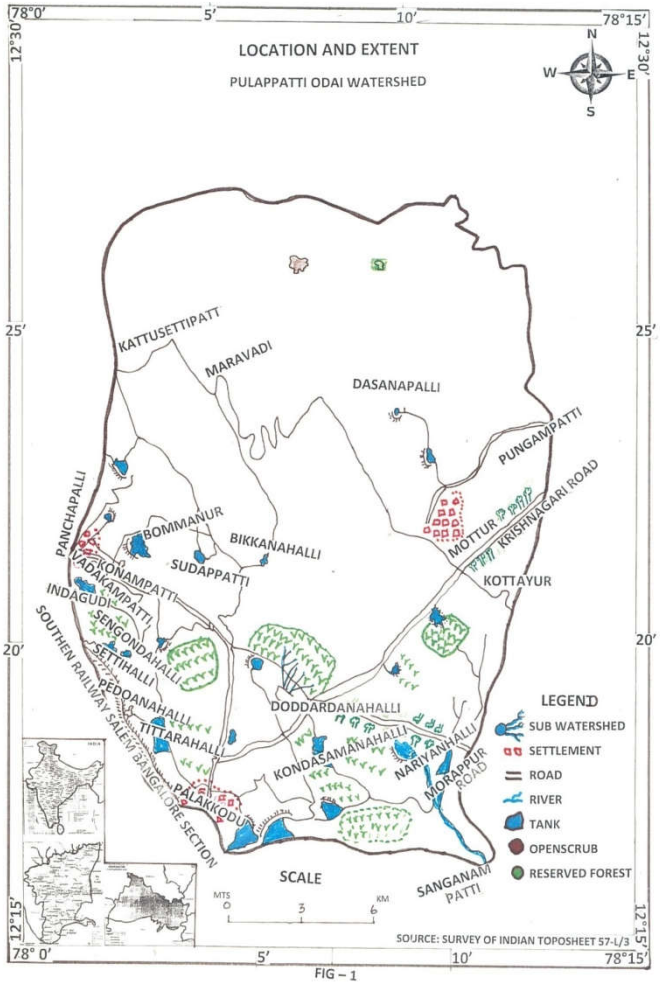

FIG – 1

Aim and Objective

The present study concentrated the Demographic Pulampatti-Watershed environment or follows to collect the base information of study area around the watersheds population with their habitués. To delineated and mapping of study area in manual tracing and interpretation, To concluded/ derived the status of the watershed / sub-watersheds condition and recent population status of the study area.

RESEARCH METHODOLOGY

The following Research Methods based on the objectives on follows. To collect base line information of study area includes the population in all, watershed condition, Temperature, rainfall and other essential. To delineated and mapping base map with scale of 1:50000 on the linear scale, based on the base map, to feature draw and Interpretation other thematic Maps. To collect census of Tamilnadu 2011 Data with relevant reference with based the present study compare and added the additional information Final and summarized all the works

RESULTS AND DISCUSSION

Introduction

Man resources are potential for living environment became of the man-mode activities create better Infrastructure as well as facilitation ever too. The present study is demographic characteristic of particular watershed Environment like Pulampatti watershed, nearer the kariamangalam taluk, Dharmapuri district.

Demographic characteristic studies

Deomographic characteristic study includes total population, SC/ST total population, and their literate/illiterate status, as well as the working condition and levels of particular watershed.

Total Population

The study, are falling from karimangalam Taluk Dharmapuri district, physiographical dry and backward land area among the districts of Tamil Nadu. The total population 36010, the male population 18692, and female population 17320, with the 12 Revenue village of the study area. Another the revenue village the highest population found morappur -5289 and lowest total population found panchapallai (364)

Table 1. Total Population in Pulampatti watershed

S.No	Villages	Population		
		Total	Male	Female
1	KATTUSETTIPATTI	6213	3183	3032
2	MARAVADI	1180	621	559
3	DASANAPALLI	463	233	230
4	PANCHAPALLI	364	179	185
5	POMMANUR	5146	2705	2441
6	SUBAPATTI	3646	1930	1716
7	SENGONDAHALLI	1352	719	633
8	PALAKKODU	3914	2011	1903
9	NARIYANHALLI	3654	1904	1750
10	MORAPPUR	5289	2746	2543
11	SANGANAMPATTI	1799	896	903
12	SETTIHALLI	2990	1565	1425
		36010	18692	17320

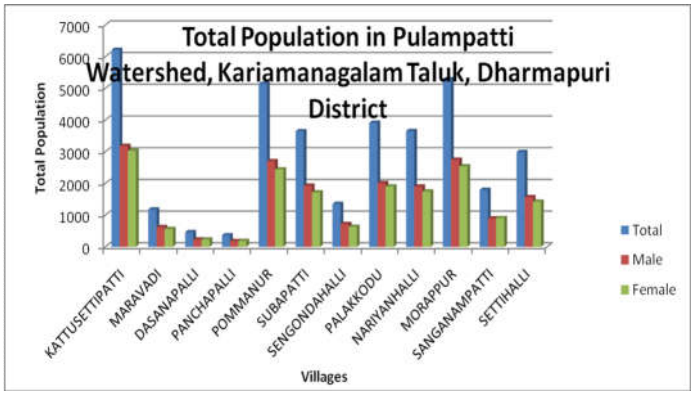

Fig.1. Total Population Pulampatti watershed

Population

The population ratio of the study area very lesser in the watershed. The sc population in total the12 Revenue village 2790, The male population is 1399, the female population in 1391. The data given table no;.2 and showing the status by the fig .2

ST population

The compare between SC/ST population also the ST population very less in total 1515, male population is 908 and female population 607 showing in the study area both of SC/ST population less concentration in and ground of the pulampatti watershed of kariamangalam taluks. The Table 2 & 3 and the Figure 2 & 3 showing the status of the population.

Table 2. Total SC Population in Pulampatti watershed

S.No	Villages	SC Population		
		Total	Male	Female
1	KATTUSETTIPATTI	838	417	421
2	MARAVADI	310	156	154
3	DASANAPALLI	105	55	50
4	PANCHAPALLI	125	65	60
5	POMMANUR	289	144	145
6	SUBAPATTI	32	17	15
7	SENGONDAHALLI	6	4	2
8	PALAKKODU	163	83	80
9	NARIYANHALLI	193	98	95
10	MORAPPUR	232	125	107
11	SANGANAMPATTI	391	181	210
12	SETTIHALLI	106	54	52
		2790	1399	1391

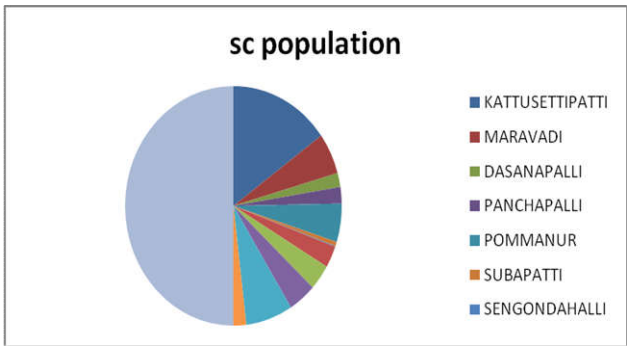

Fig.2. Total SC Population in Pulampatti watershed

Table 3. Total ST Population in Pulampatti watershed

S.No	Villages	ST Population		
		Total	Male	Female
1	KATTUSETTIPATTI	210	104	106
2	MARAVADI	66	33	33
3	DASANAPALLI	44	22	22
4	PANCHAPALLI	19	11	8
5	POMMANUR	19	10	9
6	SUBAPATTI	160	90	70
7	SENGONDAHALLI	199	129	70
8	PALAKKODU	47	26	21
9	NARIYANHALLI	1	1	0
10	MORAPPUR	225	175	50
11	SANGANAMPATTI	315	195	120
12	SETTIHALLI	210	112	98
		1515	908	607

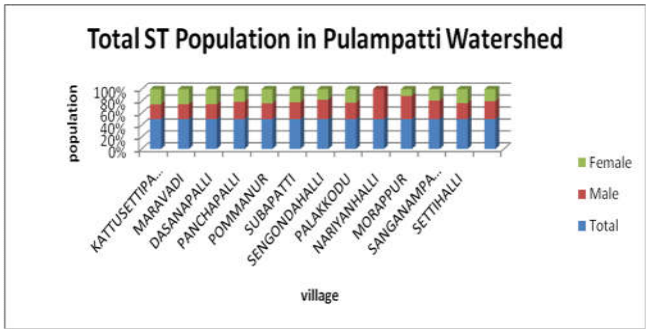

Fig.3. Total ST Population in Pulampatti watershed

Literate Population

The concentrating study area fallowing Dharmapuri district backward as well as the forwarding the educational status the district of TamilNadu. The present pulampatti around the concentration of population, as well as the various schools and college rote in the part of improving the educations.

The literate population of pulampatti in total 19333. The male population is 11494, and female population 7859 in around the study area from the states man of the fine and better education provided in the district.

Table 4. Literate Population in Pulampatti watershed

S.No	Villages	Literate Population		
		Total	Male	Female
1	KATTUSETTIPATTI	3026	1765	1261
2	MARAVADI	543	319	224
3	DASANAPALLI	242	132	110
4	PANCHAPALLI	245	137	108
5	POMMANUR	3010	1788	1222
6	SUBAPATTI	1838	1131	707
7	SENGONDAHALLI	617	391	226
8	PALAKKODU	2348	1400	948
9	NARIYANHALLI	2064	1198	886
10	MORAPPUR	3035	1846	1189
11	SANGANAMPATTI	886	489	397
12	SETTIHALLI	1479	898	581
		19333	11494	7859

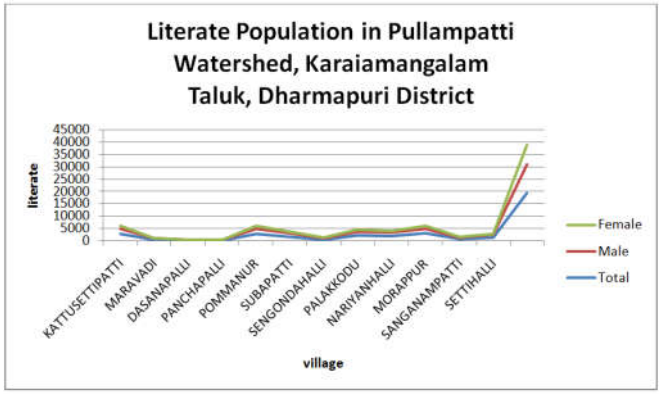

Fig.4. Literate Population in Pulampatti watershed

Table 5. Illiterate Population in Pulampatti watershed

S.No	Villages	Illiterate Population		
		Total	Male	Female
1	KATTUSETTIPATTI	3189	1418	1771
2	MARAVADI	637	302	335
3	DASANAPALLI	221	101	120
4	PANCHAPALLI	119	42	77
5	POMMANUR	2136	917	1219
6	SUBAPATTI	1808	799	1009
7	SENGONDAHALLI	571	250	321
8	PALAKKODU	1566	611	955
9	NARIYANHALLI	1590	706	884
10	MORAPPUR	2254	900	1354
11	SANGANAMPATTI	913	407	506
12	SETTIHALLI	1511	667	844
		16515	7120	9395

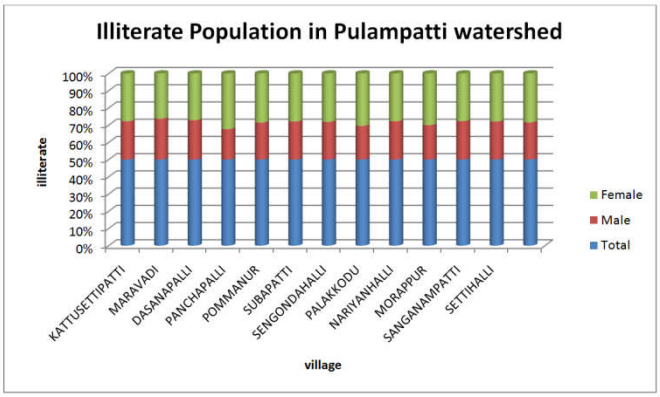

Fig. 5. Illiterate Population in Pulampatti watershed

Table 6. Total Workers Population in Pulampatti watershed

S.No	Villages	Workers		
		Total	Male	Females
1	KATTUSETTIPATTI	3519	1886	1633
2	MARAVADI	686	354	332
3	DASANAPALLI	282	143	139
4	PANCHAPALLI	146	96	50
5	POMMANUR	2738	1563	1175
6	SUBAPATTI	1851	1136	715
7	SENGONDAHALLI	598	376	222
8	PALAKKODU	2132	1205	927
9	NARIYANHALLI	2026	1097	929
10	MORAPPUR	2739	1534	1205
11	SANGANAMPATTI	865	533	332
12	SETTIHALLI	1638	956	682
		19220	10879	8341

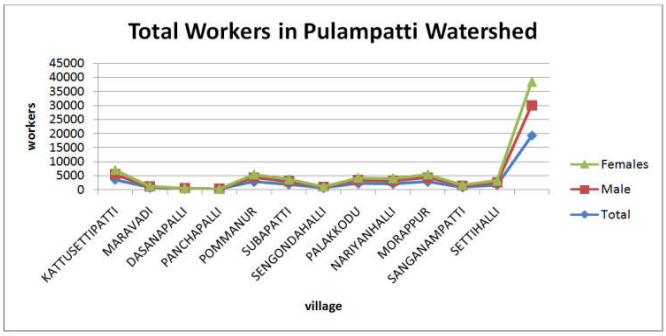

Fig. 6. Total Workers Population in Pulampatti watershed

Illiterate Population

From the Table 5 and Fig. 5 showing the illiterate population on the study area, compare illiterate population equal ratio shown. The backward as well as the people from poor income in the all Groups of the study area. The total illiterate population is 16515, from male population is 7120 and female population is 9395 from the data highest illiterate female in the study area.

Workers Population

The workers and waking zone are role and bring out the status of the growing population of particular area.

The workers like total workers-main and marginal workers. The two workers to followed the cultivations, agricultural labours, house hold labours and Non-workers also too. From the pulampatti watershed the total workers 19220, the male workers are 10879 and female workers 8341 shown in the table 6 and fig 6 the Revenue village the highest workers are kattusettipatti and lowest workers are in the panchpalli shown the status of the workers.

Conclusion

The Demographic characteristic study and status of the present study area. Concluded due to the census of radio 2011 data given. The population distribution is moderate and poor socio-economic condition of the pulampatti watershed.

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