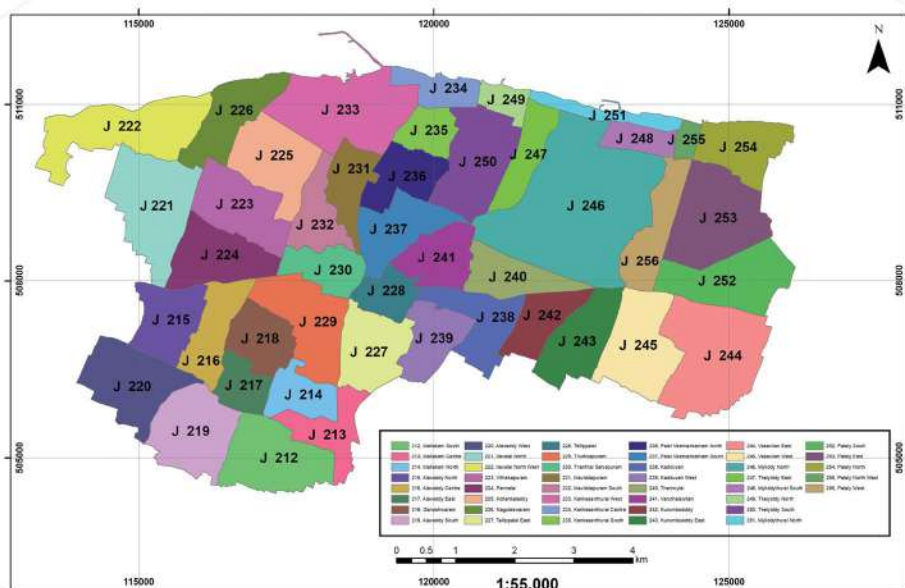


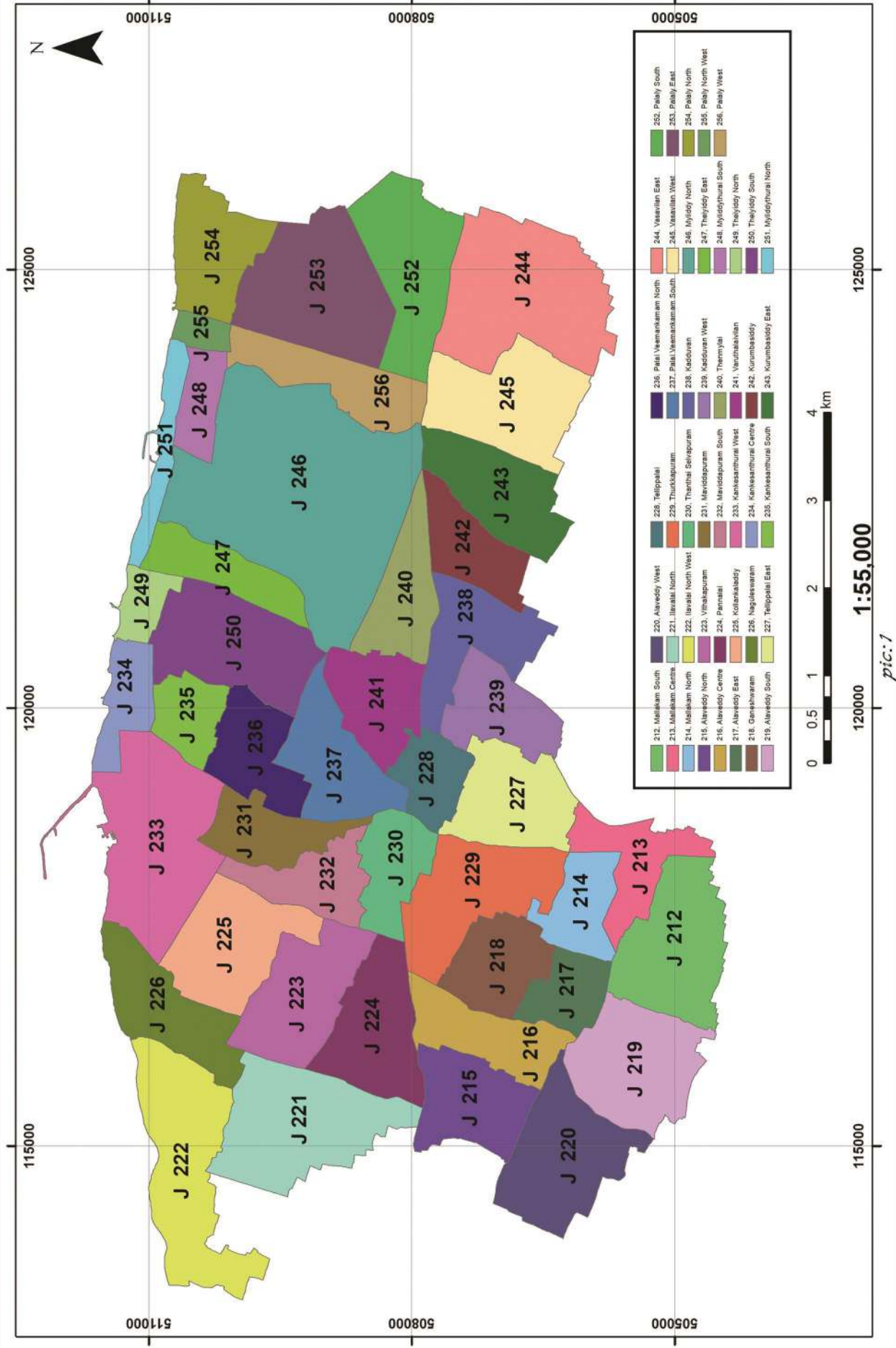
Chapter 2



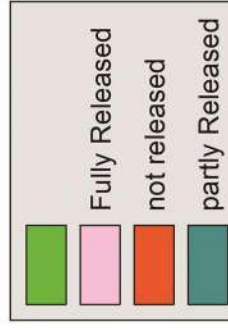
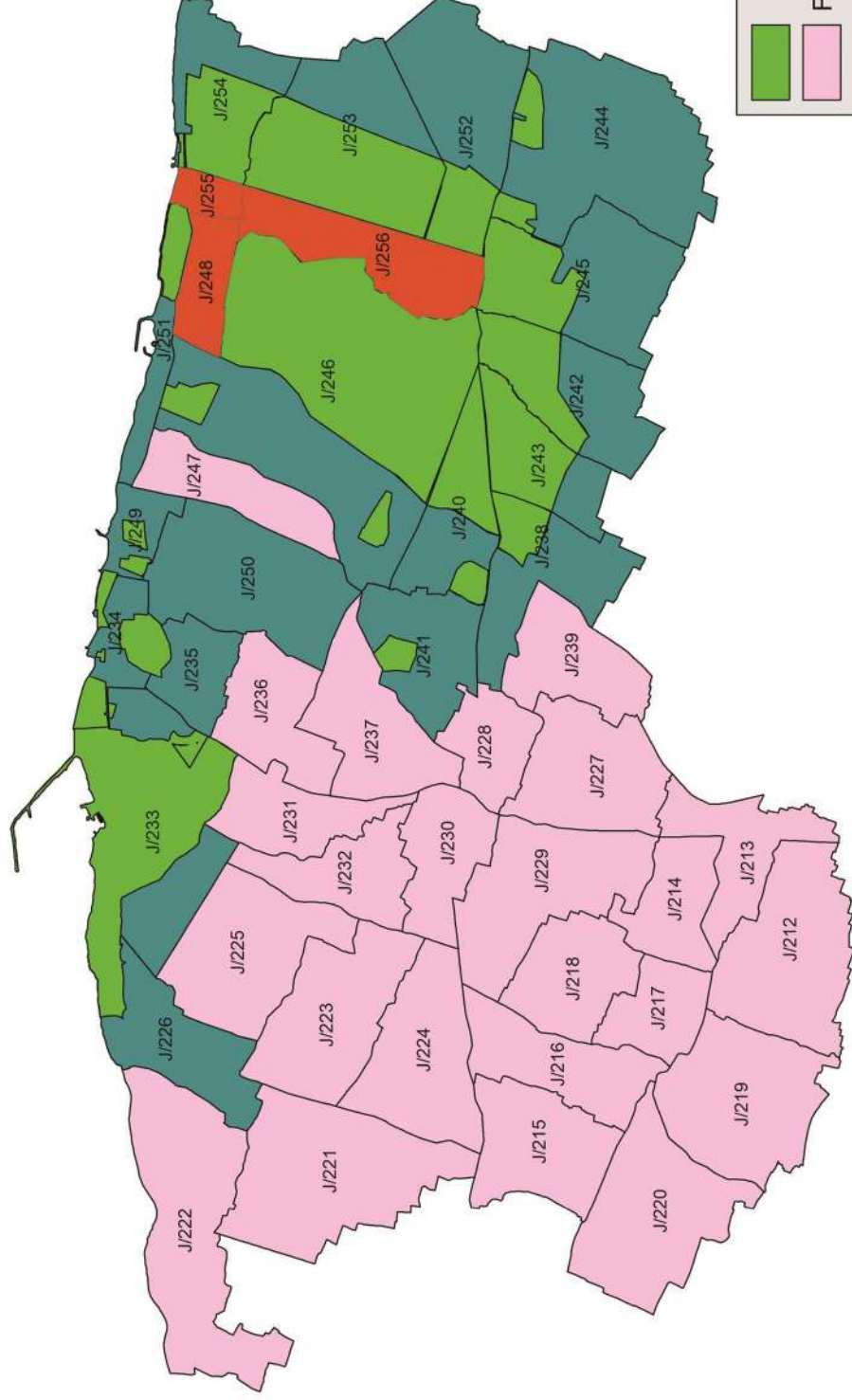
GEOGRAPHICAL FEATURES

DIVISIONAL SECRETARIAT - VALIKAMAM NORTH

DISTRICT - JAFFNA



RELEASED WISE MAP - DIVISIONAL SECRETARIAT - VALIKAMAM NORTH DISTRICT - JAFFNA



1:40.000

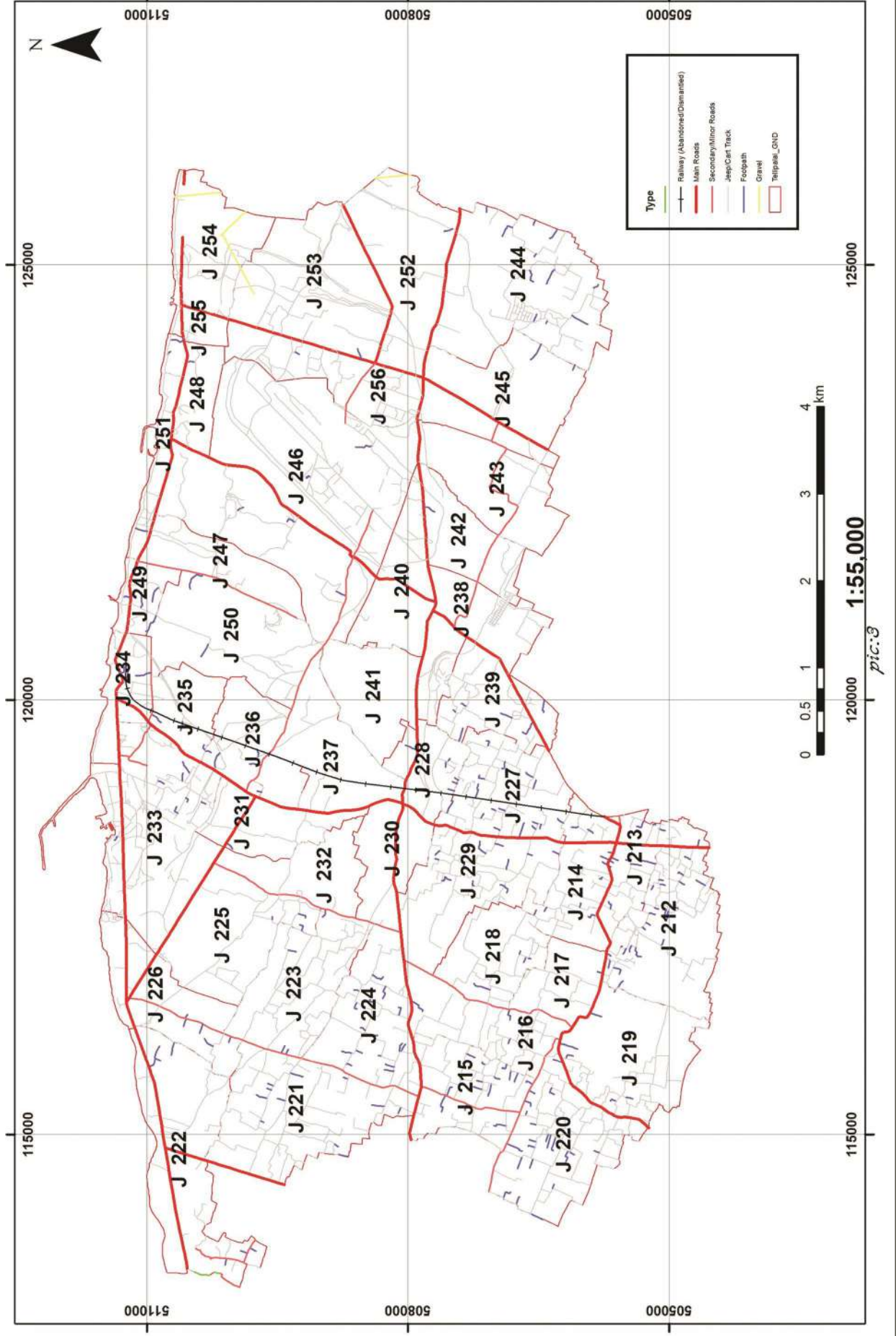
Land Use Planning Unit
Divisional Secretariat
Tallipalai

Updated as at:- 2021.March.01
Projection/Datum:- Transverse/Mecator
This map is designed for printing on A3 Size.

pic:2

DIVISIONAL SECRETARIAT - VALIKAMAM NORTH

DISTRICT - JAFFNA





2.1 Land area by G.N. Division

No.	G.N. Division		Total Area		Land Area		Large Inland Water	
	No	Name	sq.km.	Percent	sq.km.	Percent	sq.km.	Percent
1	J/212	Mallakam South	1.87	3.03%	1.65	2.67%	0.24	0.39%
2	J/213	Mallakam Centre	0.87	1.41%	0.87	1.41%	0.00	0.00%
3	J/214	Mallakam North	0.81	1.31%	0.68	1.10%	0.13	0.21%
4	J/215	Alaveddy North	1.22	1.97%	1.22	1.97%	0.00	0.00%
5	J/216	Alaveddy Centre	1.11	1.79%	0.99	1.60%	0.12	0.19%
6	J/217	Alaveddy East	0.69	1.12%	0.69	1.12%	0.00	0.00%
7	J/218	Ganeswaram	1.03	1.67%	0.89	1.44%	0.14	0.23%
8	J/219	Alaveddy South	1.70	2.75%	1.55	2.50%	0.15	0.24%
9	J/220	Alaveddy West	1.76	2.85%	1.76	2.85%	0.00	0.00%
10	J/221	Ilavalai North	2.20	3.56%	2.20	3.56%	0.00	0.00%
11	J/222	Ilavalai North West	2.26	3.65%	2.05	3.31%	0.21	0.34%
12	J/223	Vithagapuram	1.54	2.50%	1.54	2.50%	0.00	0.00%
13	J/224	Pannalai	1.49	2.41%	1.49	2.41%	0.00	0.00%
14	J/225	Kollankaladdy	1.60	2.59%	1.60	2.59%	0.00	0.00%
15	J/226	Naguleswaram	1.32	2.13%	1.32	2.13%	0.00	0.00%
16	J/227	Tellippalai East	1.38	2.23%	1.38	2.23%	0.00	0.00%
17	J/228	Tellippalai	0.69	1.12%	0.67	1.09%	0.05	0.08%
18	J/229	Thurkkapuram	1.73	2.80%	1.70	2.75%	0.03	0.05%
19	J/230	Thanthaiselvapuram	0.90	1.45%	0.90	1.45%	0.00	0.00%
20	J/231	Maviddapuram	0.89	1.44%	0.86	1.39%	0.03	0.05%
21	J/232	Maviddapuram South	0.93	1.51%	0.93	1.51%	0.00	0.00%
22	J/233	Kankesanthurai West	2.57	4.16%	2.57	4.16%	0.00	0.00%
23	J/234	Kankesanthurai Centre	0.66	1.07%	0.63	1.02%	0.03	0.05%
24	J/235	Kankesanthurai South	0.66	1.06%	0.66	1.06%	0.00	0.00%
25	J/236	Palaiveemankamam North	1.03	1.66%	0.90	1.46%	0.12	0.20%
26	J/237	Palaiveemankamam South	1.29	2.09%	1.29	2.09%	0.00	0.00%
27	J/238	Kadduvan	1.20	1.94%	1.17	1.89%	0.03	0.05%
28	J/239	Kadduvan West	0.86	1.39%	0.86	1.39%	0.00	0.00%
29	J/240	Thenmayilai	1.07	1.74%	1.07	1.74%	0.00	0.00%
30	J/241	Varuthalaivilan	1.10	1.77%	1.08	1.74%	0.02	0.03%
31	J/242	Kurumpasiddy	0.86	1.40%	0.86	1.40%	0.00	0.00%
32	J/243	Kurumpasiddy East	1.18	1.90%	1.18	1.90%	0.00	0.00%
33	J/244	Vasavilan East	2.78	4.49%	2.78	4.49%	0.00	0.00%
34	J/245	Vasavilan west	1.80	2.90%	1.80	2.90%	0.00	0.00%
35	J/246	Myliddy North	5.44	9.06%	5.41	8.75%	0.03	0.05%
36	J/247	Thaiyiddy East	0.88	1.43%	0.88	1.43%	0.00	0.00%
37	J/248	Mayliddythurai South	0.53	0.86%	0.53	0.86%	0.00	0.00%
38	J/249	Thaiyiddy North	0.41	0.66%	0.41	0.66%	0.00	0.00%
39	J/250	Thaiyiddy South	1.86	3.01%	1.81	2.93%	0.06	0.10%
40	J/251	Mayliddythurai North	0.54	0.88%	0.54	0.88%	0.00	0.00%
41	J/252	Palali South	1.67	2.70%	1.67	2.70%	0.00	0.00%
42	J/253	Palaly East	2.33	3.77%	1.62	2.62%	0.73	1.18%
43	J/254	Palaly North	1.58	2.56%	1.45	2.35%	0.15	0.24%
44	J/255	Palaly North West	0.23	0.37%	0.08	0.13%	0.16	0.26%
45	J/256	Palaly West	1.18	1.92%	1.18	1.91%	0.00	0.00%
Total			61.68	100.00%	59.36	96.06%	2.43	3.94%

Source: Divisional Secretariat, Valikamam North, Tellippalai





**Table: 2.2. Mean Annual and Monthly
Air Temperature (Celsius) :- 2020-2021**

S.N	Month	2021		2022	
		Max	Min	Max	Min
1	January	28.9	22.9	29.8	22.6
2	February	29.6	21.5	29.8	21.7
3	March	32.4	23.2	31.9	24.5
4	April	33.2	26.3	32.7	25.8
5	May	33.1	27.1	33.0	28.0
6	June	32.7	27.3	32.8	27.3
7	July	32.7	27.0	32.9	26.5
8	August	32.7	26.9	32.0	26.3
9	September	33.0	26.9	31.8	26.4
10	October	30.6	25.6	31.2	25.1
11	November	29.3	24.5	29.6	23.2
12	December	29.6	22.6	29.2	23.6

Min:- Minimum

Max:-Maximum

Source:-Department of Meteorology, Colombo-07

**Table: 2.3 Mean Annual and Monthly
Relative Humidity(%) -2022**

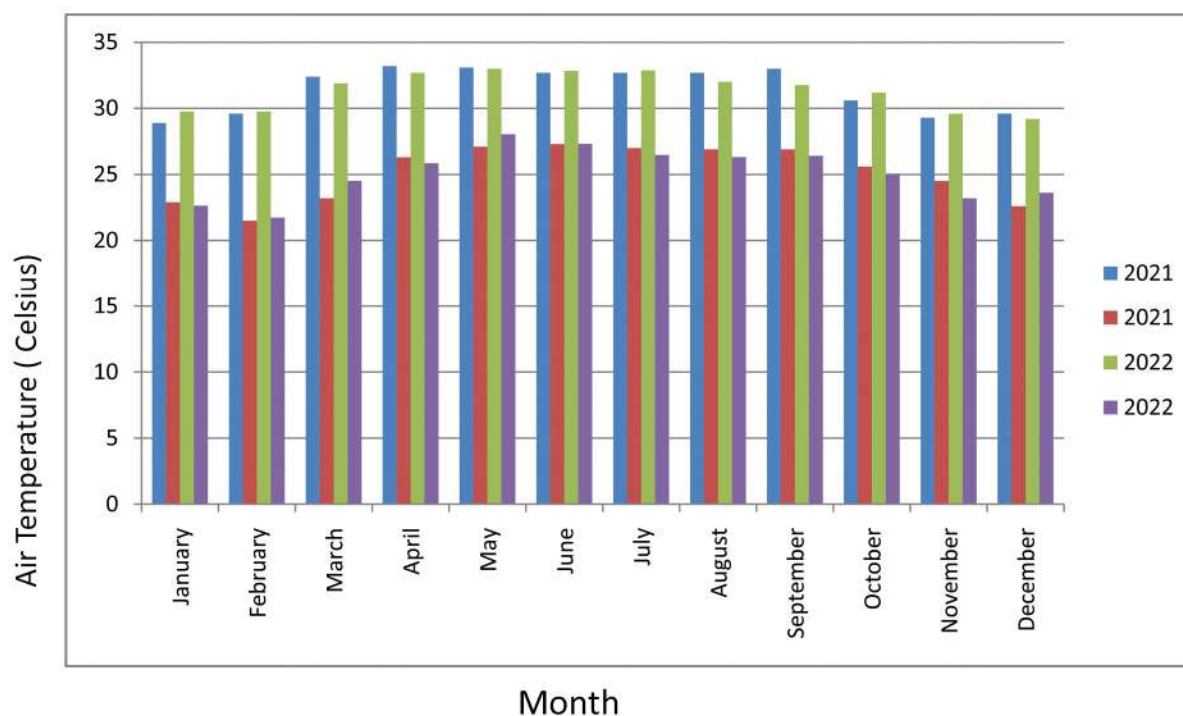
"Percentage"

S.N	Month		
		Day	Night
1	January	79	NA
2	February	74	NA
3	March	75	NA
4	April	78	NA
5	May	76	NA
6	June	75	NA
7	July	73	NA
8	August	76	NA
9	September	78	NA
10	October	80	NA
11	November	81	NA
12	December	82	NA

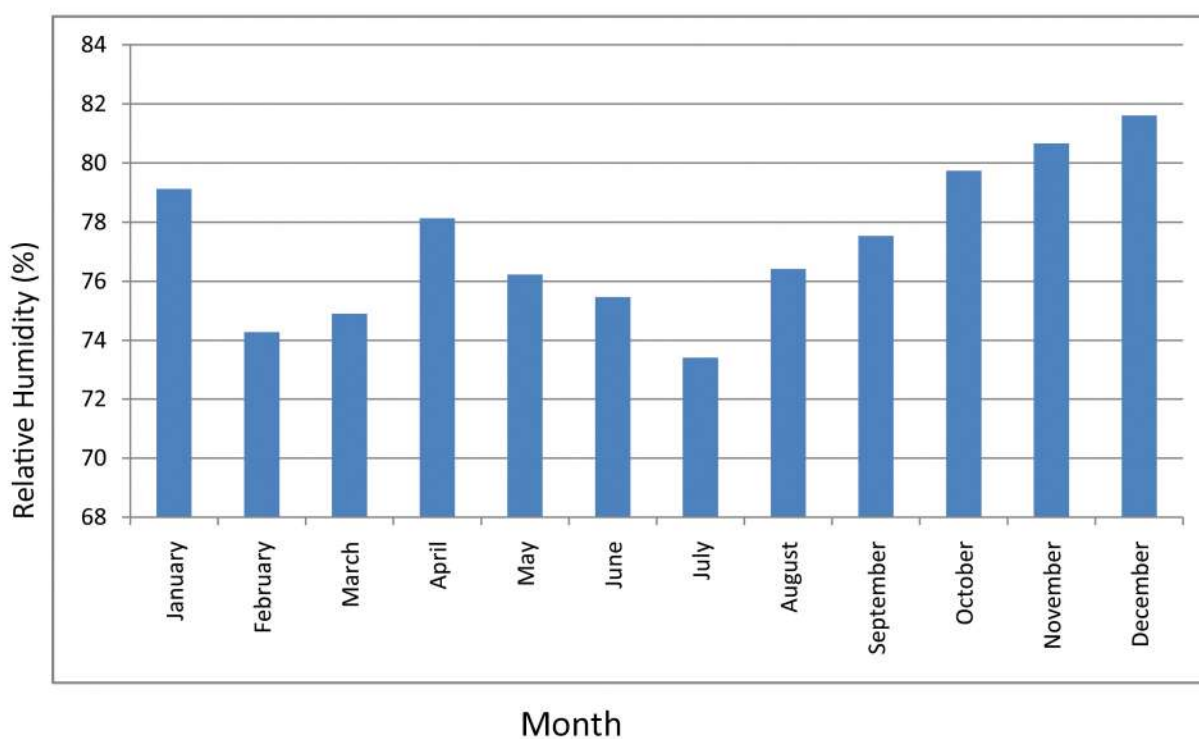
Source:-Department of Meteorology, Colombo-07



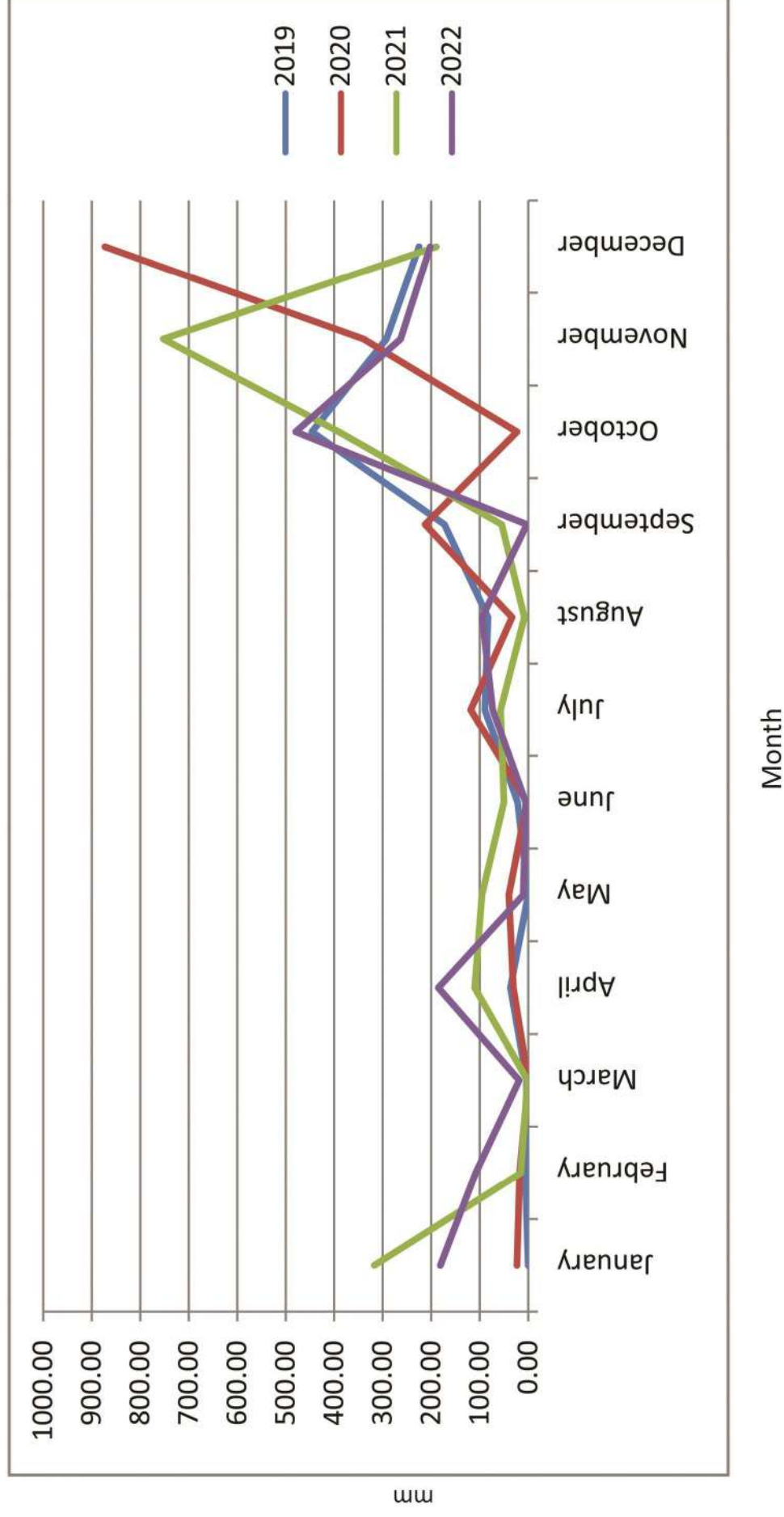
MEAN ANNUAL AND MONTHLY AIR TEMPERATURE (CELSIUS) 2021- 2022



MEAN ANNUAL AND MONTHLYAIR RELATIVE HUMIDITY (%)) 2021- 2022



MEAN ANNUAL AND MONTHLY RAINFALL (mm) AS OF THE YEAR 2019 - 2022





2.4. Mean Annual and Monthly Rainfall(mm) as of the Year 2019- 2022

S.N	Month	Year 2019	Year 2020	Year 2021	Year 2022
1	January	0.00	23.2	317.5	181.2
2	February	5.90	17.6	15.3	108.3
3	March	3.20	0	1.6	18.5
4	April	36.40	30.7	110.4	185.1
5	May	0.00	39.9	95.4	10.3
6	June	21.70	2.7	50.4	5.3
7	July	89.30	118.5	57.0	73.1
8	August	83.10	33.2	8.3	95.0
9	September	172.70	212.6	54.7	2.8
10	October	446.00	23.3	390.7	479.4
11	November	292.20	339.7	752.4	263.2
12	December	225.30	872.9	189.6	201.8
Annual Total		1375.80	1714.3	2043.3	1624.0

Source:-Department of Meteorology, Colombo-07

2.5 Mean Wind Speed:2019-2022

"km/hour"

S.N	Month	2019		2020		2021		2022	
		8.30	17.30	8.30	17.30	8.30	17.30	8.30	17.30
1	January	NA	NA	NA	NA	NA	NA	4.6	6.6
2	February	NA	NA	NA	NA	NA	NA	4	7.6
3	March	NA	NA	NA	NA	NA	NA	5.2	7
4	April	NA	NA	NA	NA	NA	NA	3.6	3.8
5	May	NA	NA	NA	NA	NA	NA	6.9	8.5
6	June	NA	NA	NA	NA	NA	NA	6.4	7.9
7	July	NA	NA	NA	NA	NA	NA	5.9	6.5
8	August	NA	NA	NA	NA	6.5	6.7	5.9	6.4
9	September	NA	NA	NA	NA	3.2	4.5	6.9	7.1
10	October	NA	NA	NA	NA	4.9	4.9	5.4	4.1
11	November	NA	NA	NA	NA	5.4	5.0	5.5	4.9
12	December	NA	NA	NA	NA	5.1	8.5	5.9	4.9

Source:-Department of Meteorology, Colombo-07

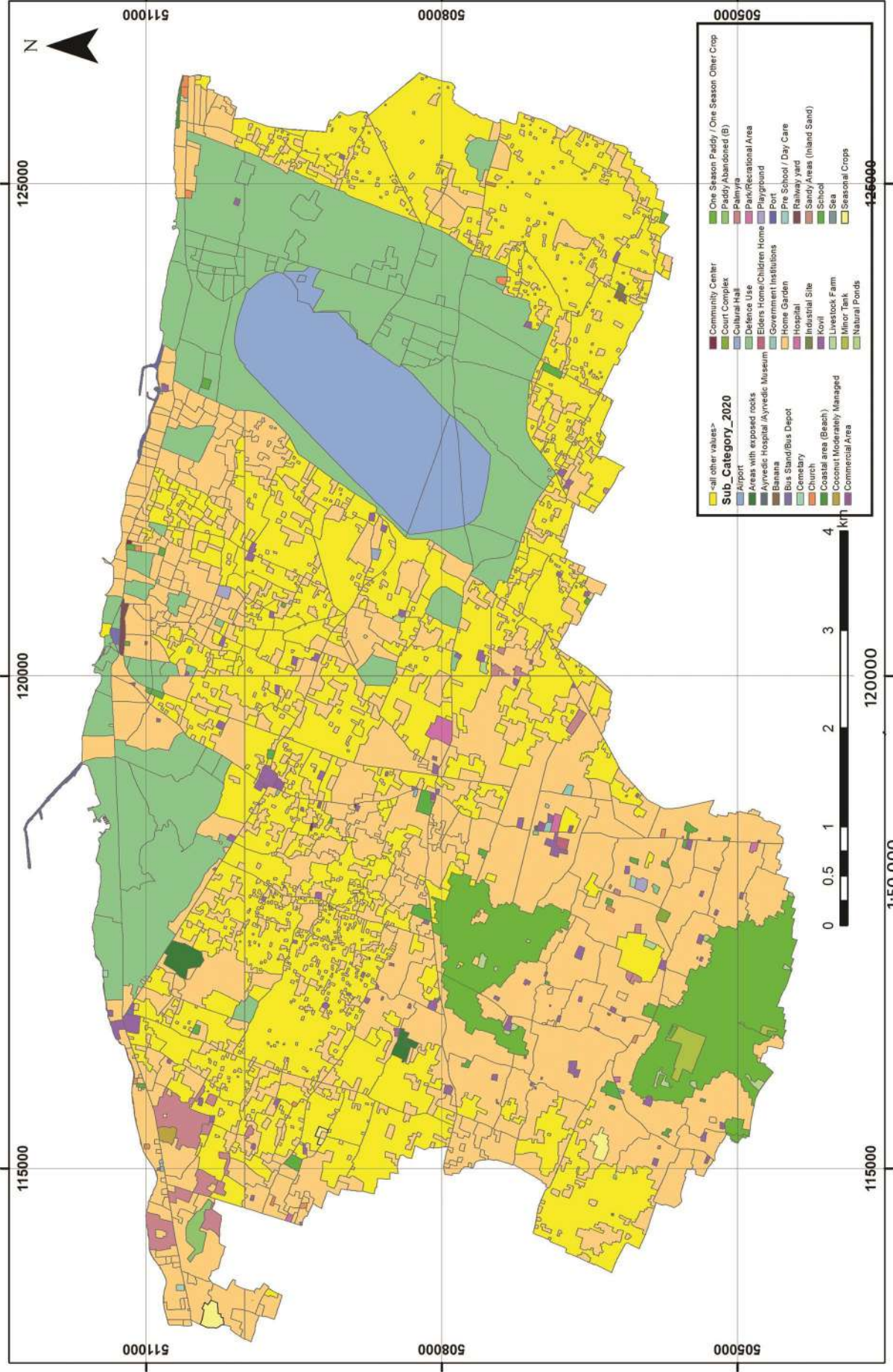


2.6 Land Use Patterns

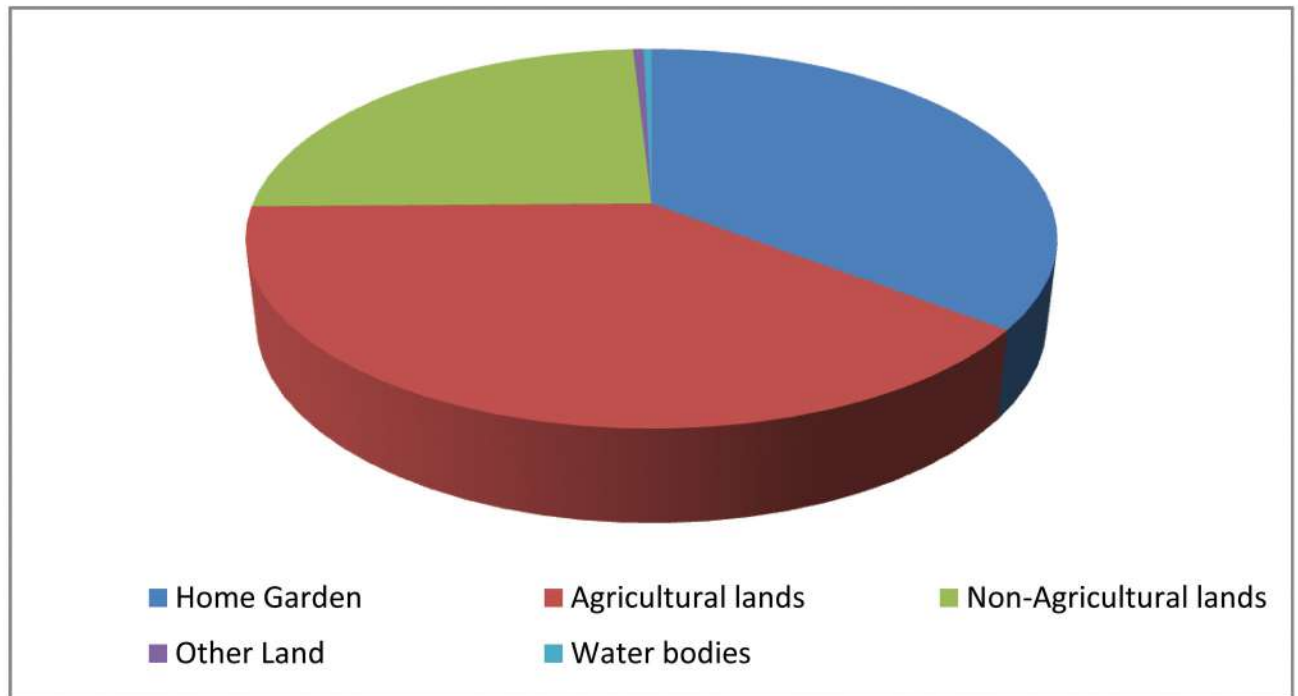
No	Category		Area (Hect.)	Total (Het.)	Percentage (%)	
1	Urban Land	Built-up land		-	-	0.00%
		Associated Land		-	-	0.00%
		Non Agricultural Land		-	-	0.00%
2	Agricultural Land	Home Stead		2147	2147	34.91%
		Trees and Others		1191	1191	19.37%
		Potential Crops		-	-	0.00%
		Crop Land	Paddy	325	325	5.28%
			Sparsely	-	-	0.00%
			Crop Land	588	588	9.56%
			Sugar Cane	-	-	0.00%
3	Forest Land	Natural Forest	Dense Forest	-	-	0.00%
			Open Forest	-	-	0.00%
		Forest Plantations		-	-	0.00%
4	Range Land	Scrub Land		-	-	0.00%
		Grass Land		-	-	0.00%
5	Wet Land	Forest - Mangroves		-	-	0.00%
		Non Forested - Marsh		-	-	0.00%
6	Water			824	824	13.40%
7	Barren Land			-	-	0.00%
8	Others (High Land)			1075	1075	17.48%
Total				6150	6150	100.00%

Source: Divisional Secretariat, Valikamam North, Tellippalai

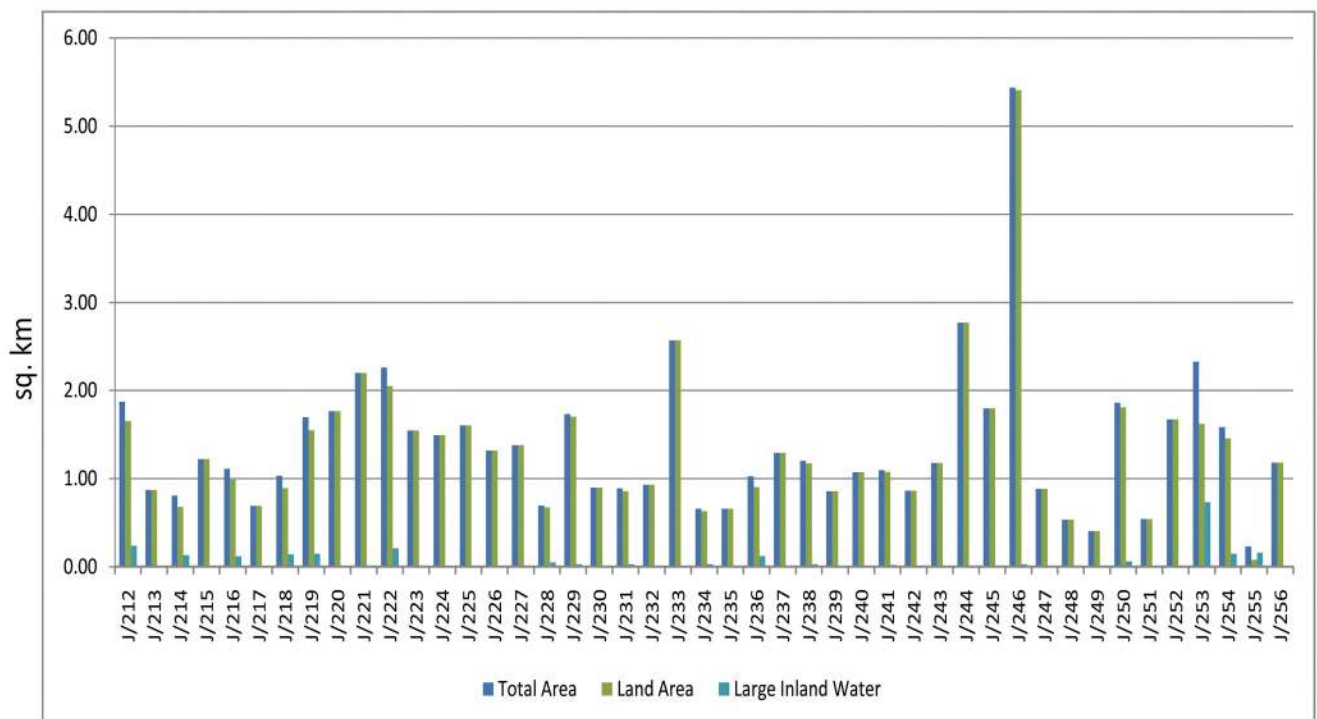




LAND USE PATTERNS



LAND AREA BY GRAMA NILADARI DIVISIONS



GN Divisions