



SOIL ATLAS

KANCHEEPURAM DISTRICT



SOIL SURVEY & LAND USE ORGANISATION
(DEPARTMENT OF AGRICULTURE TAMIL NADU)

VELLORE 632 001

1998



SOIL ATLAS
KANCHEEPURAM DISTRICT

SOIL SURVEY & LAND USE ORGANISATION
(DEPARTMENT OF AGRICULTURE TAMIL NADU)
VELLORE 632 001

1998

வீரபாண்டி எஸ். ஆறுமுகம்
வேளாண்மைத் துறை அமைச்சர்



தலைமைச் செயலகம்
சென்னை 600 009

அணிந்துரை

தமிழ்நாடு வேளாண்மைத் துறையில் உள்ள வேதியியல் பிரிவு தமிழக வேளாண் பெருங்குடி மண்ணின் தேவையை அறிந்து மண்வள தொகுப்பேடு ஒன்று தயாரித்து இருப்பது பாராட்டுக்குரிய செயலாகும்.

வேளாண்மைக்கு அடித்தளமாய் அமைவது நிலமும், நீரும் ஆகும். மண்ணின் வகைகளை அறிந்து அதன் வளத்தை தெரிந்து கொண்டு, அதற்கேற்ற பயிர் வகைகளை பயிர் செய்வதால் உற்பத்தி திறன் அதிகரிப்பதோடு, மண் வளமும் பாதுகாக்கப்படுகிறது. சங்க காலத்தில் மண்வளத்தை அறிந்து கொள்ள குறிஞ்சி, முல்லை, மருதம், நெய்தல் என நம் முன்னோர்களால் நிலப் பாகுபாடுகளை அறிந்து வைத்திருந்தார்கள். பிற்காலங்களில் மண்ணை, செம்மண் என்றும், கரிசல் மண் என்றும், வண்டல் மண் என்றும், மணற்பாங்கான மண் என்றும், மண்ணின் தன்மைக்கு ஏற்ப பிரித்து வைத்திருந்தார்கள். பண்டைய காலங்களில் மண் பாகுபாடு செய்வது தேவையற்ற ஒன்றாக கருதப்பட்டாலும், இன்றைய சூழ்நிலைக்கு மண் பாகுபாடு மிகவும் அவசியமாகிறது. வளர்ந்து வரும் மக்கள் தொகைக்கு ஏற்ப உணவு உற்பத்தியை பெருக்க மண் வரை தொகுப்பு வேளாண்மை ஆராய்ச்சியாளர்களுக்கும், விரிவாக்க அலுவலர்களுக்கும் மிகவும் பயன் உள்ளதாக இருக்கும் என நம்புகிறேன்.

இத்தொகுப்பினை வெளியிட ஈடுபட்ட அனைத்து அலுவலர்களுக்கும் எனது பாராட்டுக்களையும், வாழ்த்துக்களையும் தெரிவித்துக் கொள்கிறேன்.

அன்புடன்,

வீரபாண்டி எஸ். ஆறுமுகம்
29.4.28

நா. ஆநிமுலம், இ.ஆ.ய.
அரசு செயலர்



வேளாண்மைத் துறை
சென்னை 600 009

அணிந்துரை

மண்வளமும் மனித வளமும் ஒரு நாட்டிற்கு இன்றியமையாதன ஆகும். இன்னும் சொல்லப்போனால் நிலத்து மண் ஆனது மனிதச்சரிதையின் பிரதிபலிப்பு ஆகும். ஏனெனில் அதுவே மனித நாகரீகத்தின் மாட்சியையும் வீழ்ச்சியையும் எடுத்துரைப்பதாக இருந்து வந்துள்ளது. இதற்குச் சரித்திரச் சான்றுகளும் பல உண்டு. இப்படித்தான் பெருமை படைத்த மண்வளம் பற்றிய விவரங்களை நெறிப்படுத்தி அண்டியோர்க்குப் பயன் அளிக்கும் வகையில் அமையச் செய்வது காலத்தின் கட்டாயமாகும். அதிலும் குறிப்பாக ஒன்பதாவது ஐந்தாண்டுத் திட்டத்தின் துவக்கத்திலேயே இப்பணி நடைபெறுவது சாலச்சிறந்தது ஆகும். ஏனெனில் இத்திட்டப் பெரு நோக்கங்களில் ஒன்றாக மண்வளம் சார்ந்த இனங்களை அடையாளம் கண்டு செயல்படுவது மிகவும் வலியுறுத்தப்பட்டுள்ளது.

எனவே, மாவட்ட வாரியாக மண்வள ஆதாரங்களைத் தொகுக்கும் முயற்சி மேற்கொள்ளப்பட்டது. இப்பணி நான் வேளாண்மை இயக்குநராகப் பொறுப்பில் இருந்த காலத்தில் முடிக்கப்பட்டது. தமிழ்நாட்டில் அப்போதிருந்த 15 மாவட்டங்களுக்கும் தனித்தனியே மண்வளத் தொகுப்புகள் தயாரிக்கப்பட்டன. ஆயினும் அவை வரைவு நகல்களாகவே இருந்து வந்துள்ளன. அதனால் அதன் பயனை நுகர மிகச் சிலருக்கே வாய்ப்பு கிட்டியது.

இத்தொகுப்பேட்டில் விரலிக்கிடக்கும் விவரங்கள் சீரிய திட்டமிடலுக்கு அடித்தளமாக அமைகின்றன. ஓரிடத்தில் நிலவும் தட்பவெப்ப நிலை, பாசன வளம், பயிர் சாகுபடி, விவரங்கள், மண் வகைகள் அவற்றின் விளைதிறன், ஏற்புடைய பயிர்கள் பற்றிய விளக்கங்கள் இடம்பெற்றுள்ளன. ஆக இவற்றின் அடிப்படையில் அமுல்படுத்தப்படும் உற்பத்திப் பெருக்குத் திட்டங்கள் அபரிமித வெற்றி அளிப்பதில் ஆச்சரியமில்லை. உதாரணமாக அண்மையில் மணிகண்டம் ஒன்றியத்தில் நிறைவேற்றப்பட்ட வேளாண் வானியியல் வளிமண்டலத் திட்டத்தினைச் சொல்லலாம். இத்திட்டத்தின் முதன்மைச் செயல் அம்சமாக இப்பகுதி நிலங்கள் நெறிப்படுத்தப்பட்டன. இத்தகைய அணுகுமுறையினால் களர்த்தன்மை உடைய இப்பகுதி நிலங்களில் சீர்த்திருத்தம் மேற்கொண்டபின் மகசூலானது எக்டேருக்கு 400 கிலோ முதல் 700 கிலோ வரை உயர்ந்துள்ளது என்பது பெருமைக்குரியதாகும்.

மிகக் பயன் அளிக்கவல்ல இத்தொகுப்பேட்டு விவரங்களினை உற்பத்தி முனைவோர் அனைவரும் பெற்றிட இதனை அச்சிடும் பணிக்கு ரூ. 10.5 இலட்சம் அனுமதித்து தமிழ்நாடு அரசு ஆணையிட்டுள்ளது. அதன் தொடர் நிகழ்வாகவே ஏட்டளவில் இருந்த இத்தொகுப்பேடுகள் வண்ணமிக வடிவுடனும், விவரப்பொலிவுடனும் அச்சேறி தற்போது நற்பயன் அளிக்கும் நிலை பெற்றுள்ளன. வேளாண்மை இயக்குநராக அன்று நான் துவக்கிய பணி, செயலராகப் பொறுப்பேற்றுள்ள இந்நாளில் மலர்ந்து மிளிர்வது குறித்து மட்டற்ற மகிழ்ச்சி அடைகிறேன். அத்துடன் இத்தொகுப்பேட்டுவிவரங்கள் நுண் திட்டமிடல், ஏறுமுகத் திட்டம் போன்றவற்றிற்கும் ஆதாரமாய் அமைகின்றன. புதிய சாதனைகளைத் தொடுவோரை வளர்வார்,

வாரிப்பெருக்கி வளம்கூட்டு உற்றவை
ஆராய் வான் எனப் பெருமைப்படுத்துவார்.

அவர் கூற்றுப்படி ஆராய முனைவோர்க்கு முன்னோடியாகவும், முதன்மைப் பின்புலமாகவும் இத்தொகுப்பேடு அமைந்துள்ளது என்பதில் பெரிதும் மகிழ்வடைகிறேன்.

இத்தொகுப்பேடு நன்கு வடிவமைக்கப்பட்டு, விவரங்கள் பயன்தரும் வகையில் தெளிவுப்படுத்தப்பட்டுள்ளமைக்குப் பொறுப்பான அனைவருக்கும் எனது பாராட்டுதலைத் தெரிவித்துக் கொள்கிறேன்.

சென்னை
17. 4. 1998

17498
அரசு செயலர்
வேளாண்மைத்துறை

பட்டி. க. அருள்மொழி, இ.ஆ.ய.
வேளாண்மை இயக்குநர்



சேப்பாக்கம்
சென்னை 600 005

அணிந்துரை

நில மடந்தை நமக்கு அளித்துள்ள இயற்கை வளங்களில் மிக முதன்மையானது மண்வளம் ஆகும். அத்துடன் தமிழர் வாழ்வியலில் மண்ணும் மனிதனும் பின்னிப் பிணைந்தே பேசப்படும். எனவே தான் மண்வகைகளைப் பற்றியும், அவற்றின் சாதக பாதகத் தன்மைகள் பற்றியும் சங்க கால இலக்கியங்கள் விரிவாகவே பேசுகின்றன. பிற்கால அறிவியல் முன்னேற்றம் காரணமாக ஆய்ந்தறிந்து பெறப்பட்ட உண்மைகளும் முந்தையனவைப் பெரிதும் ஒத்து இருந்தமை ஆனது பண்டைத் தமிழரின் அறிவியல் மேன்மையை எடுத்துக் கூறுவதாக அமைந்துள்ளது.

மண்வளங்களைப் பயன்படுத்துவது என்பது சமுதாயக் கட்டாயங்களினால் ஏற்பட்டதாகும். விரிந்து வரும் மக்கள் தொகை பெருகி வரும் உணவுத் தேவைகள் மற்றும் சுருங்கி வரும் சாகுபடிப் பரப்பு ஆகியவை இவற்றுள் அடங்கும். இந்த வகையில் பல மண்வகையீட்டு முயற்சிகள் தேசிய அளவிலும், மாநில அளவிலும் எடுக்கப்பட்டுவந்துள்ளன. அந்நாட்களில் சென்னை இராஜதானியில் நடத்தப்பட்ட மண்வகையீட்டுமுயற்சி இதன் துவக்கம் எனலாம். இதுவும் பின்னர் நடத்தப்பட்ட திட்டங்களும், குறிப்பிட்ட நோக்கத்திற்காகவே அமல் செய்யப்பட்டன. இதன் உச்சக்கட்டமாக 1960 ம் ஆண்டில் தரமான மண்வகையீட்டுத் திட்டம் ஒன்று மண்வகைகளின் தன்மைகளை விரிவாகவும் விளக்கமாகவும் கூர்ந்தாய்வு செய்திட அறிமுகம் செய்யப்பட்டது.

தமிழ்நாட்டு மண்வள ஆதாரங்களை விளக்கும் வரைபடங்கள் தயாரிக்கும் பணியில் வேளாண் துறையின் வகையீட்டுஅலகுகள் பணிக்கப்பட்டன. இவைகள் நடத்திய துவக்க மண்வகையீட்டு மூலம் பெறப்பட்ட மண்வள ஆதார விவரங்கள் மாவட்ட வாரியாகத் தொகுக்கப்பட்டன. இவை மாவட்ட வளர்ச்சிக்கான திட்டமிடலுக்கு உதவுகரமாக அமைந்துள்ளன. எனினும் வெறும் வரைவு ஏடுகளாகவே இருந்து வந்த இத்தொகுப்பேடுகளை அனைவரும் பெற்றிடும் வகையில் அச்சுப் பதித்து வெளியிட தமிழ்நாடு அரசு ரூ. 10.5 இலட்சம் நிதி அனுமதித்துள்ளது. இந்த இனிய துவக்கமாகவே மாவட்ட மண்வளத் தொகுப்பேடுகள் தற்சமயம் வெளியிடப்பட்டுள்ளன. இத்தொகுப்பேடுகளில் உணவு உற்பத்திக்கான ஊக்க முயற்சிகளுக்கு போதுமான நிலம் மற்றும் அதனைச் சார்ந்த அனைத்து விவரங்களும் இடம் பெற்றுள்ளன. நீர்ப்பாசனம், தட்பவெப்பச்சூழல், பயிர் வகைகள் விளைதிறன் ஆகிய விவரங்களின் அடிப்படையில் கிராம அளவிலான நுண் திட்டமிடல், ஏறுமுக வளர்ச்சித்திட்டம், பல்துறை பங்கேற்புத் திட்டம் போன்ற முயற்சிகள் அமல் செய்யப்படுவதற்கான இடங்களை அடையாளம் காண இத்தொகுப்பேடு பெரிதும் உதவும்.

பெரும்பயன் தரவல்ல இத்தொகுப்பேட்டினை உருவாக்கி, தொகுத்து வடிவமைத்து வெளியிட உதவிய அனைவர்க்கும் எனது பாராட்டுதல்களை மகிழ்ச்சியுடன் தெரிவித்துக் கொள்கிறேன்.

க. அருள்மொழி 30.3.98

சென்னை
30. 3. 1998

வேளாண்மை இயக்குநர்

KANCHEEPURAM

CONTENTS		Page
1.	About the Soil Atlas	1
2.	Location	2
3.	Taluks & panchayat unions	4
4.	Roads & railways	6
5.	Geology	8
6.	Physiography	10
7.	Drainage & river basins	12
8.	Rainfall	14
9.	Temperature	16
10.	Ombrothermic data	18
11.	Land use pattern	20
12.	Forests	22
13.	Crop area	24
14.	Cropping calendar	26
15.	Sources of irrigation	28
16.	Agricultural institutions	30
17.	Agro industries	32
18.	Animal husbandry institutions	34
19.	Soils	36
	i) Mangalathupatty series	38
	ii) Vannapatty series	40
	iii) Ammapet series	42
	iv) Vadamadurai series	44
	v) Mangadu series	46
	vi) Suramangalam series	48
	vii) Arasanatham series	50

CONTENTS

Page

viii) Samanthipuram series	52
ix) Mahabalipuram series	54
x) Chickarasampalayam series	56
xi) Vaallam series	58
xii) Kurumbalur series	60
xiii) Pallipalayam series	62
20. Land capability	64
21. Land irrigability	66
22. Soil productivity	68
23. Crops grown	70
24. Soil colour	72
25. Depth	74
26. Texture	76
27. Permeability	78
28. Water holding capacity	80
29. Erosion	82
30. Calcareousness	84
31. Salinity	86
32. Soil reaction	88
33. Cation exchange capacity	90
34. Chengalpattu taluk	92 - 105
35. Cheyyur taluk	106 - 119
36. Kancheepuram taluk	120 - 135
37. Madurantakam taluk	136 - 151
38. Sriperumbudur taluk	152 - 167
39. Tambaram taluk	168 - 179
40. Thirukkalukundram taluk	180 - 191
41. Uthiramerur taluk	192 - 205

ABOUT THE SOIL ATLAS

Agriculture play a vital role in the Indian economy and provides occupation to about 75% of the population which in turn depends on several inputs applied on soil. As such soil forms the basic non renewable natural resource, its health and land productivity on a sustained basis have to be maintained for sound production system. All inputs in the production systems can be functional only when there is soil/land which is qualitatively suitable for such purpose.

In this context, soil survey form the basic tool for agriculturl development programmes and provides information on characteristics and location of the different kinds of soils and their management potentials as well as their limitation for different purposes. Keeping this in view a data base on soils of the district have been developed through reconnaissance soil survey and this is useful for planning at regional level.

In the Atlas, all the information pertinent to the socio economic condition of the district is provided briefly. Soil characteristics and their interpretations are subsequently presented at district level in small scale. For better understanding soil information and their interpretations are also given at taluk level. Further, dominant kind of soil at village level and their fertility status have been provided for developing optimum fertility management programmes.

As soil is highly heterogeneous in nature, differences in soil can occur within short distances and therefore it is needless to say that detailed soil surveys at higher intensity are necessary for micro level development programmes.

LOCATION

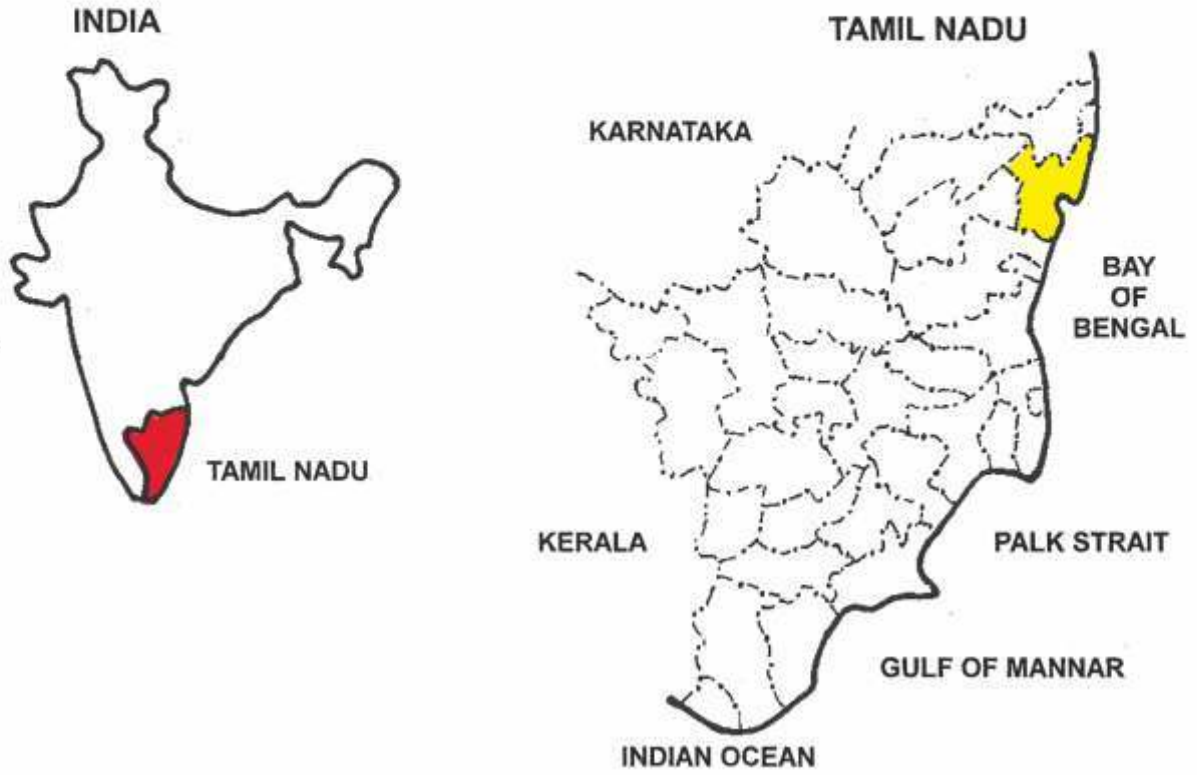
Kancheepuram District is bounded by Thiruvallur District on the North, Villupuram District on the South, Vellore and Tiruvannamalai District on the West and Bay of Bengal Sea on the East. Its lies in between the north latitude $12^{\circ}12'$ and $13^{\circ}12'$ and in between $79^{\circ}32'$ and $80^{\circ}22'$ east longitudes. Its located in the northern side of Tamilnadu. It has a total geographical area of 4432.10 sq.km and is divided into eight taluks, Kancheepuram, Sriperumbudur, Uthiramerur, Tambaram, Chengalpattu, Thirukkalukundram, Maduranthangam and Cheyyur.

AGRO ECOLOGICAL REGION:

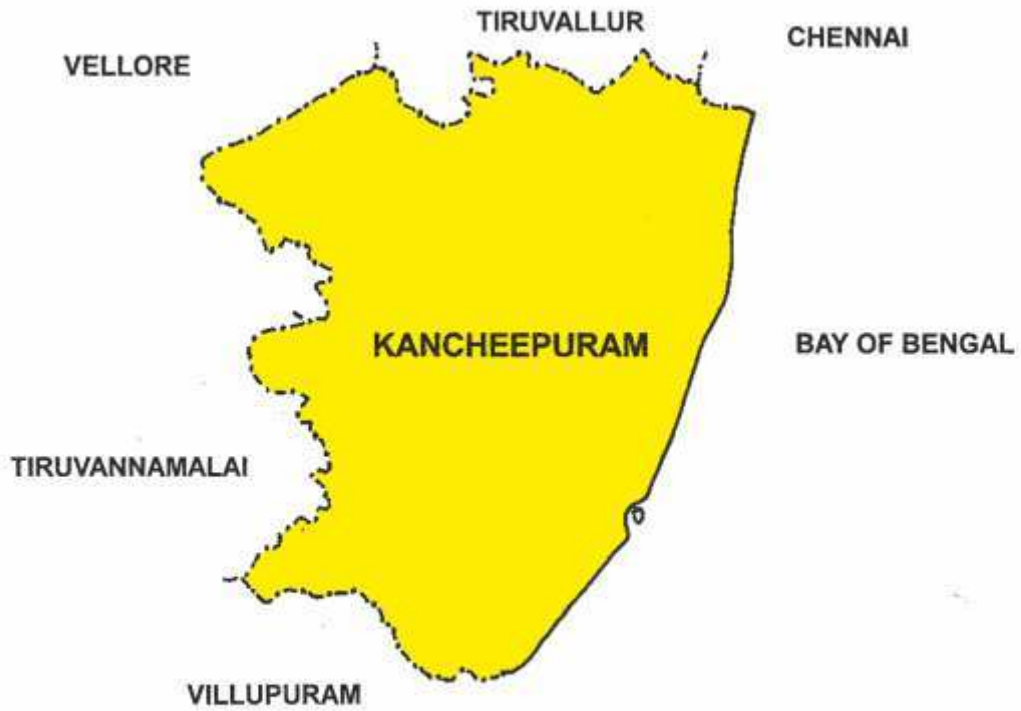
Tamilnadu plain lands and hot semi arid, sand loamy and red loamy soils, growing period 90 - 150 days.



LOCATION MAP



KANCHEEPURAM DISTRICT



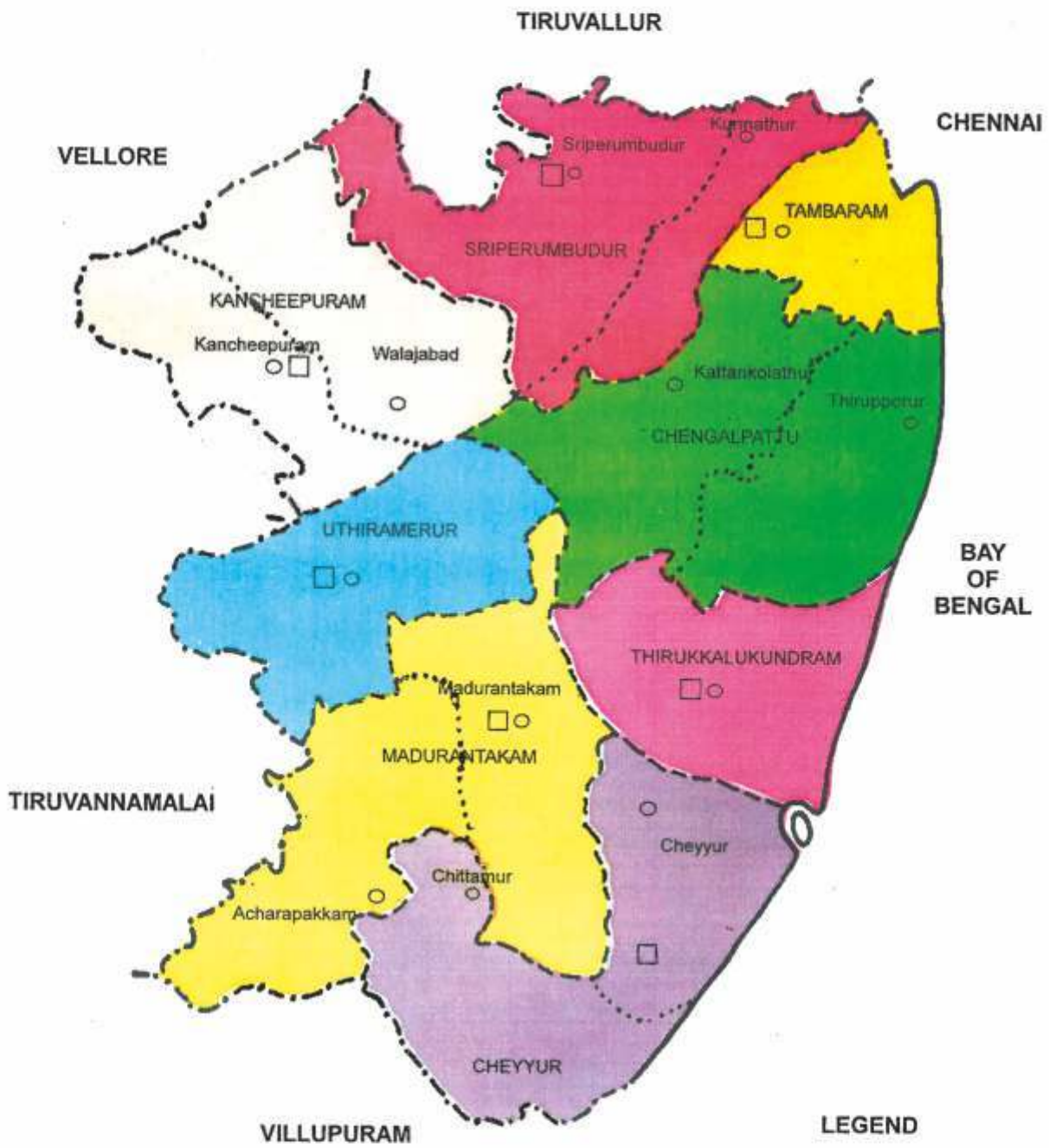
TALUKS AND PANCHAYAT UNION

The district comprises of 8 taluks and 13 Panchayat unions as indicated below.

Taluk	Panchayat Union
1. CHENGALPATTU	1. Kattankolathur 2. Tirupporur
2. CHEYYUR	3. Alluvium 4. Archean
3. KANCHEEPURAM	5. Kancheepuram 6. Walajabad
4. MADURANTAGAM	7. Acharapakkam 8. Madurantagam
5. SRIPERUMBUDUR	9. Kundrathur 10. Sriperumbudur
6. TAMBARAM	11. St. Thomas Mount
7. THIRUKKALUKUNDRAM	12. Thirukkalukundram
8. UTHIRAMERUR	13. Uthiramerur



TALUKS & PANCHAYAT UNION KANCHEEPURAM DISTRICT



REFERENCE

- District boundary -----
- Taluk boundary - - - - -
- Panchayat union boundary

LEGEND

- TALUK HEAD QUARTERS
- PANCHAYAT UNION HEAD QUARTERS

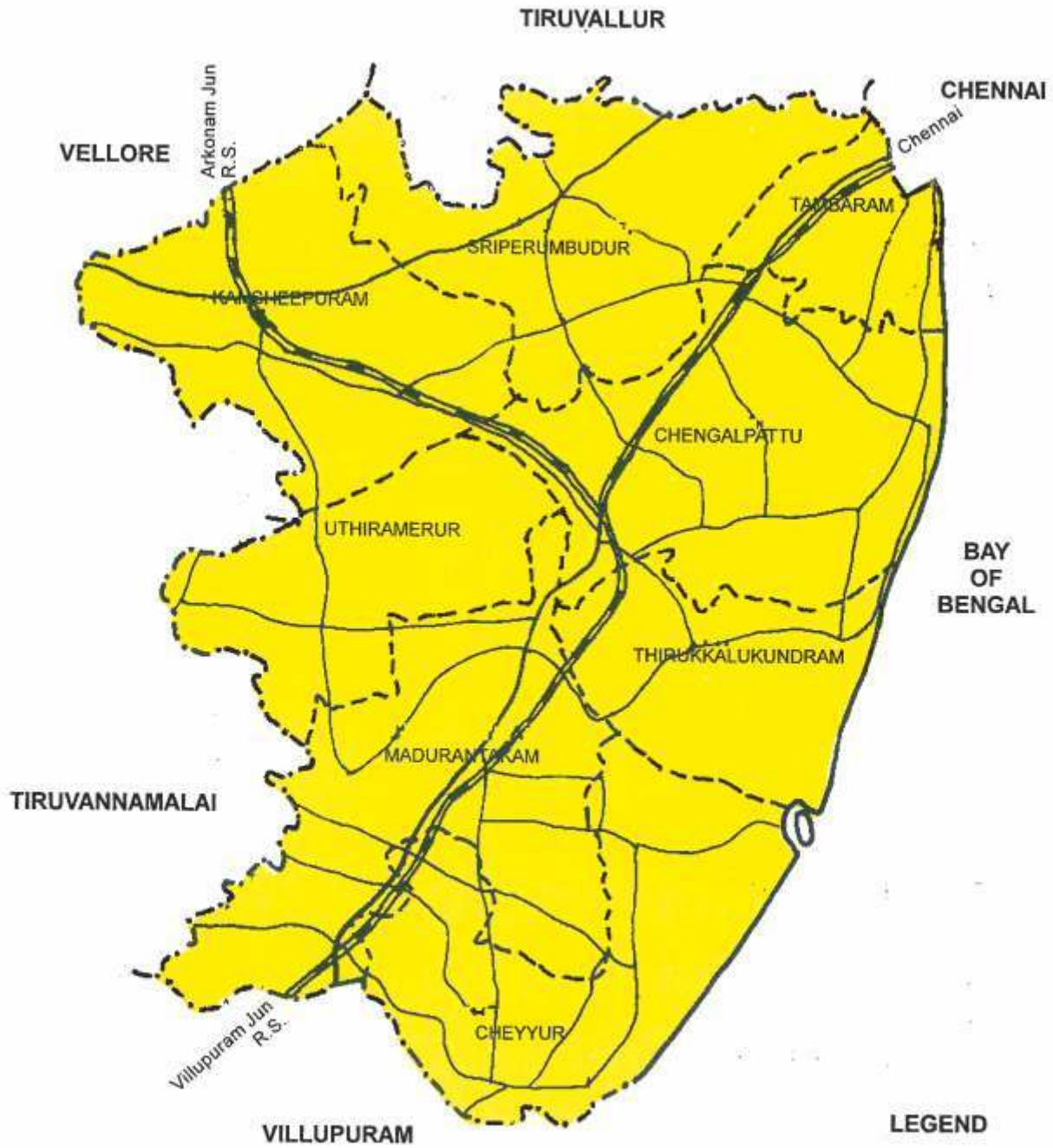
ROADS & RAILWAYS

The capital of Tamilnadu State viz. Madras is situated on the north eastern side of this District. This enables more road and railway facilities. The broadgauge and one meter gauge railway lines are passing through this district. The National Highways namely number 45, 4 are passing through this district. Apart from these major district roads and other roads are also available for transport.



ROADS & RAILWAYS

KANCHEEPURAM DISTRICT



LEGEND

- ROADS
- RAILWAY LINE

REFERENCE

- District boundary
- Taluk boundary

GEOLOGY

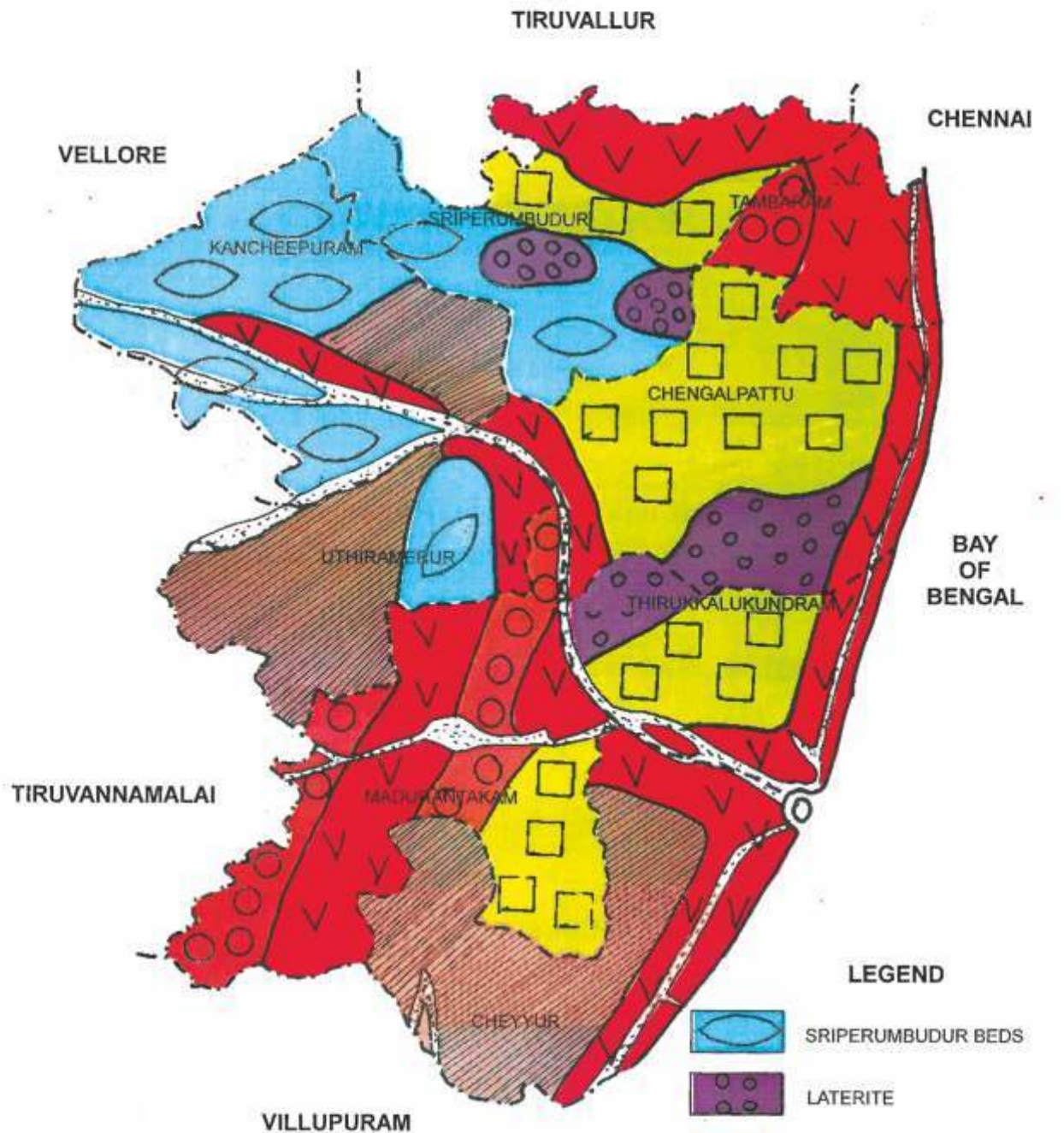
This consists mainly of crystalline rocks of Archean metamorphic complex and the predominant minerals are indicated below.

Taluk	Predominant mineral
1. CHENGALPATTU	Charnokite Laterite Alluvium
2. CHEYYUR	Alluvium Archean
3. KANCHEEPURAM	Sriperumbudur beds Archean Alluvium
4. MADURANTAGAM	Charnokite Cuddalore sand stones Alluvium
5. SRIPERUMBUDUR	Charnokite Alluvium Laterite
6. TAMBARAM	Cuddalore sand stones Alluvium
7. THIRUKKALUKUNDRAM	Charnokite Laterite Alluvium
8. UTHIRAMERUR	Archean Sriperumbudur beds Alluvium



GEOLOGY

KANCHEEPURAM DISTRICT



REFERENCE

District boundary - - - - -

Taluk boundary - - - - -

River

Tank

LEGEND

-  SRIPERUMBUDUR BEDS
-  LATERITE
-  ARCHEAN
-  ALLUVIAM
-  CHARNOCKITE
-  CUDDALORE SAND STONES

PHYSIOGRAPHY

The Kancheepuram district is having in general contour of the plains in between 15 to 100 meters and the Tambaram, Chengapattu, Cheyyar, Thirukkalukundram, Sriperumbudur and Maduranthakam taluks are in general is undulating with hills and hillocks and rockout crops its elevation is 75 - 200m.

The district coastal area is plain and sand dunes are seen along sea shore.

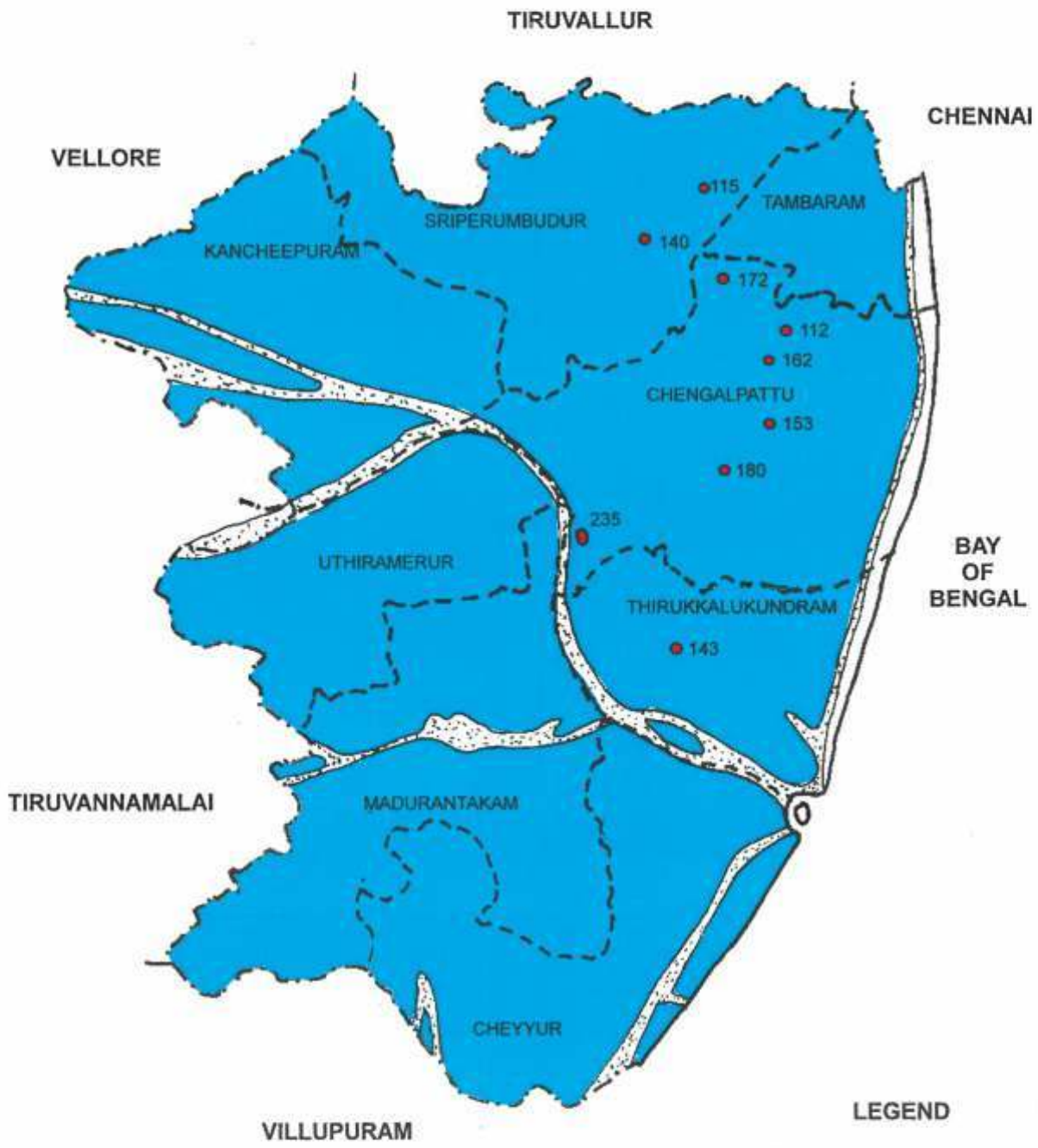
The major river Palar, Cheyyar, Killiyar river, Vagavathi river are flowing in this district. The all rivers of the directions from West to East and enters into Sea.

The major drainage is Buckingham canal which runs from north to south and ends into the Sea after merging with the Palar river.



PHYSIOGRAPHY

KANCHEEPURAM DISTRICT



- REFERENCE**
- District boundary ————
 - Taluk boundary - - - - -
 - River
 - Tank

- LEGEND**
- CONTOURS WITH LEVELS
 - 0 - 100 m
 - ABOVE 100 m

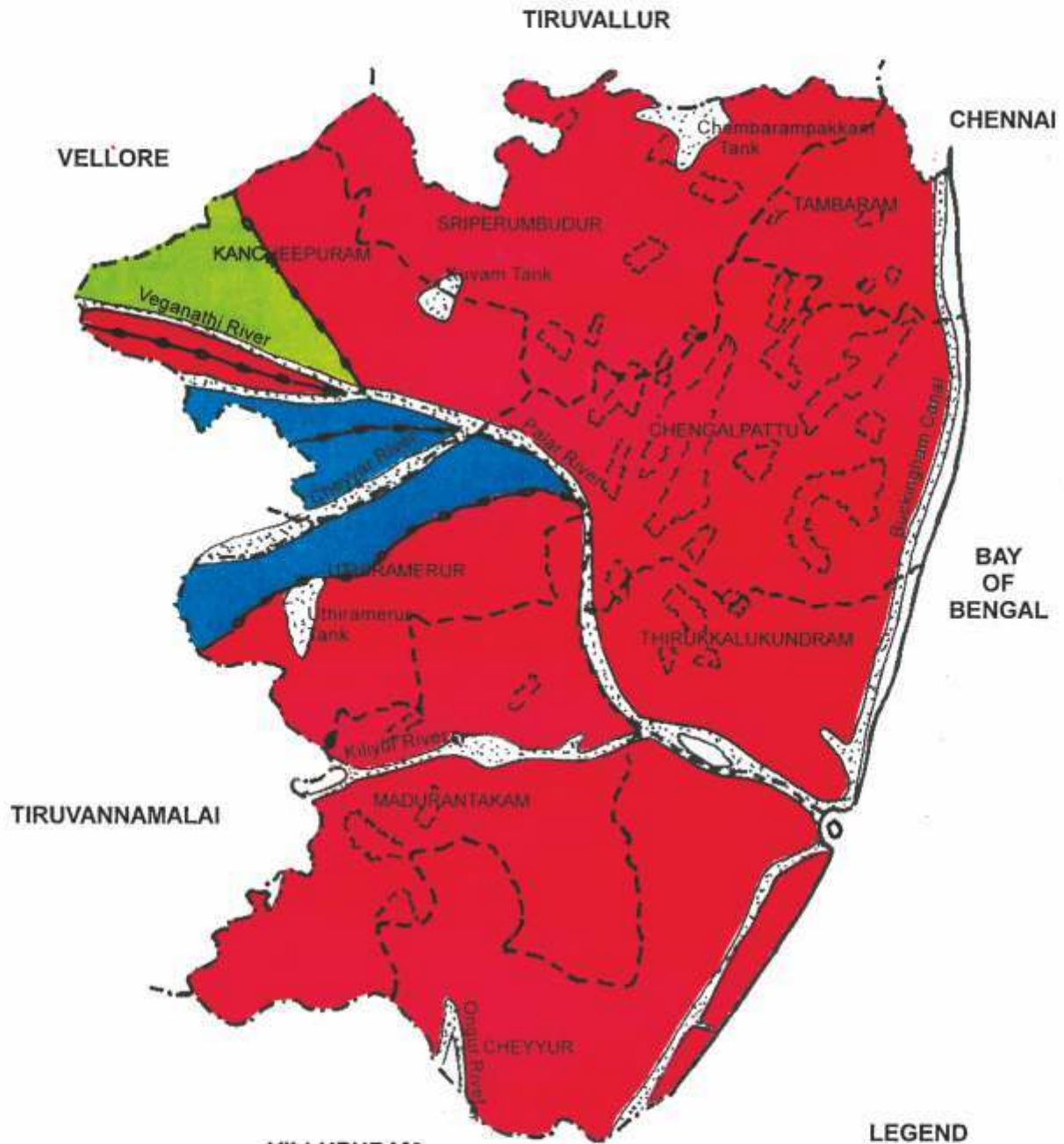
DRAINAGE AND RIVER BASINS

River / Basin	Place of origin	Places passing through	Drainage
Cheyvar	Javadu hills	Kancheepuram Uthiramerur	Flowing to join in Palar river
Palar	Karnataka	Kancheepuram Uthiramerur Maduranthakam Thirukkalukundaram	To Bay of Bengal sea
Veganathi	Vellore District	Kancheepuram	Flowing to join in Palar river






Of the above 3 river basins Veganathi, Cheyyar rivers do not flow through district. Only one basin, Palar major basin occupy major area in Kancheepuram District.





DRAINAGE & RIVER BASINS KANCHEEPURAM DISTRICT



REFERENCE

- District boundary 
- Taluk boundary 
- Forest boundary 
- River 
- Tank 

LEGEND

-  MAIN RIVER BASIN
-  DRAINAGE COURSE

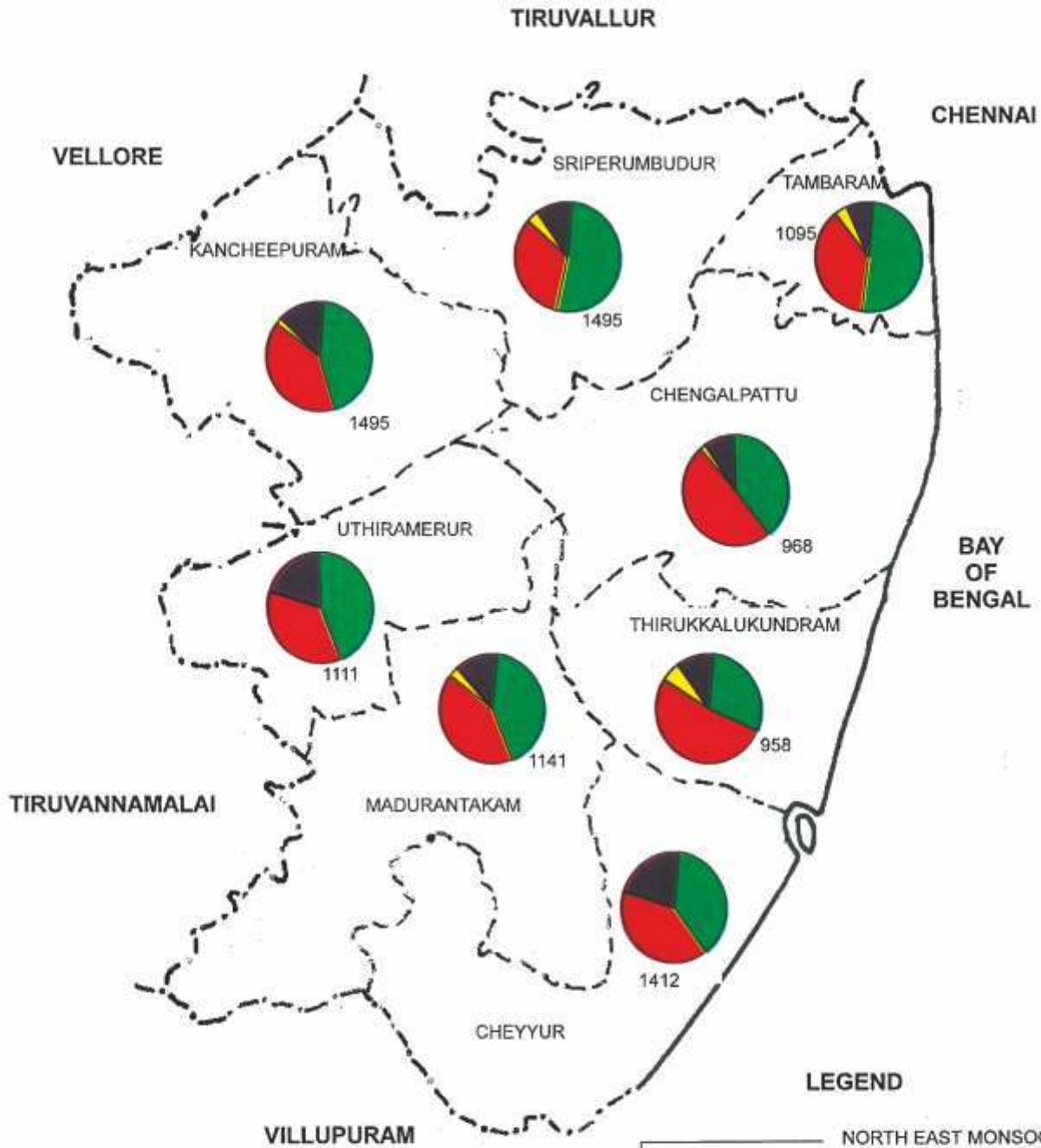
RAINFALL

Taluk	Mean annual rainfall mm	South West monsoon (June - Sep)		North East monsoon. (Oct - Dec)		Winter (Jan- Feb)		Summer (Mar - May)	
		mm	%	mm	%	mm	%	mm	%
1. CHENGALPATTU	967.88	462.72	47.80	384.36	39.72	5.0	0.52	115.8	11.96
2. CHEYYUR	1411.9	790.8	56.01	467.06	33.08	—	—	154.04	10.91
3. KANCHEEPURAM	1495.2	692	46.29	725	48.49	1.0	0.06	77.2	5.16
4. MADURANTAGAM	1141.06	530.88	46.52	586.44	15.38	8.4	0.74	15.52	1.45
5. SRIPERUMBUDUR	1494.67	773.56	51.47	576.88	38.45	5.0	0.33	139.22	0.27
6. TAMBARAM	1095.13	490.21	44.76	510.42	46.61	4.0	0.37	90.5	8.26
7. THIRUKKALUKUNDRAM	957.7	457.24	47.74	377.26	39.91	6.0	0.62	117.2	12.24
8. UTHIRAMERUR	1111.00	521.58	46.95	526.52	47.39	—	—	62.9	5.66



RAINFALL

KANCHEEPURAM DISTRICT

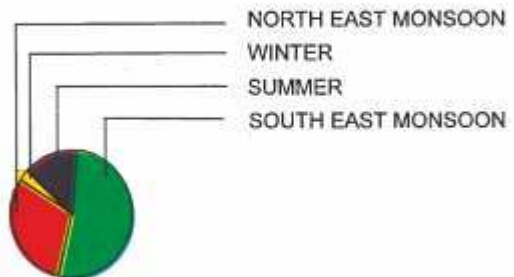


REFERENCE

District boundary - - - - -

Taluk boundary - - - - -

LEGEND



TEMPERATURE

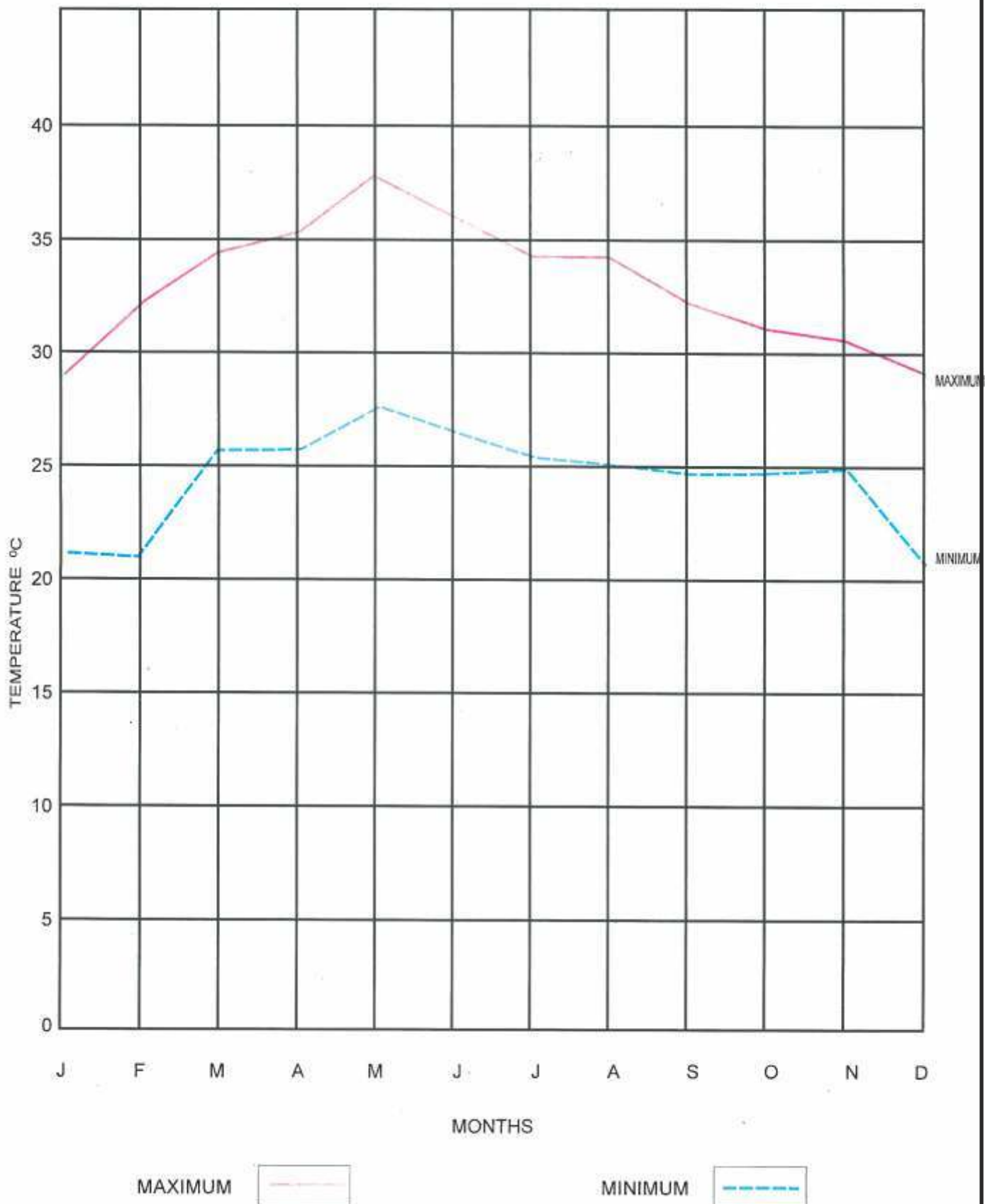
The mean annual temperature of Kancheepuram district is 27.8°C, Data on atmospheric temperature (°C) is given below.

Month	Maximum temperature (°C)	Minimum temperature (°C)	Mean temperature (°C)
January	28.9	20.9	24.9
February	31.5	20.9	26.2
March	34.5	25.6	30.05
April	35.0	25.4	30.2
May	38.5	27.4	32.95
June	35.9	26.5	31.2
July	34.3	25.9	30.1
August	34.2	25.8	30.0
September	33.7	24.7	29.2
October	31.4	24.5	27.95
November	30.8	25.0	27.9
December	28.9	21.3	25.1
Mean	31.2	24.49	27.84



TEMPERATURE

KANCHEEPURAM DISTRICT



OMBROTHERMIC DATA

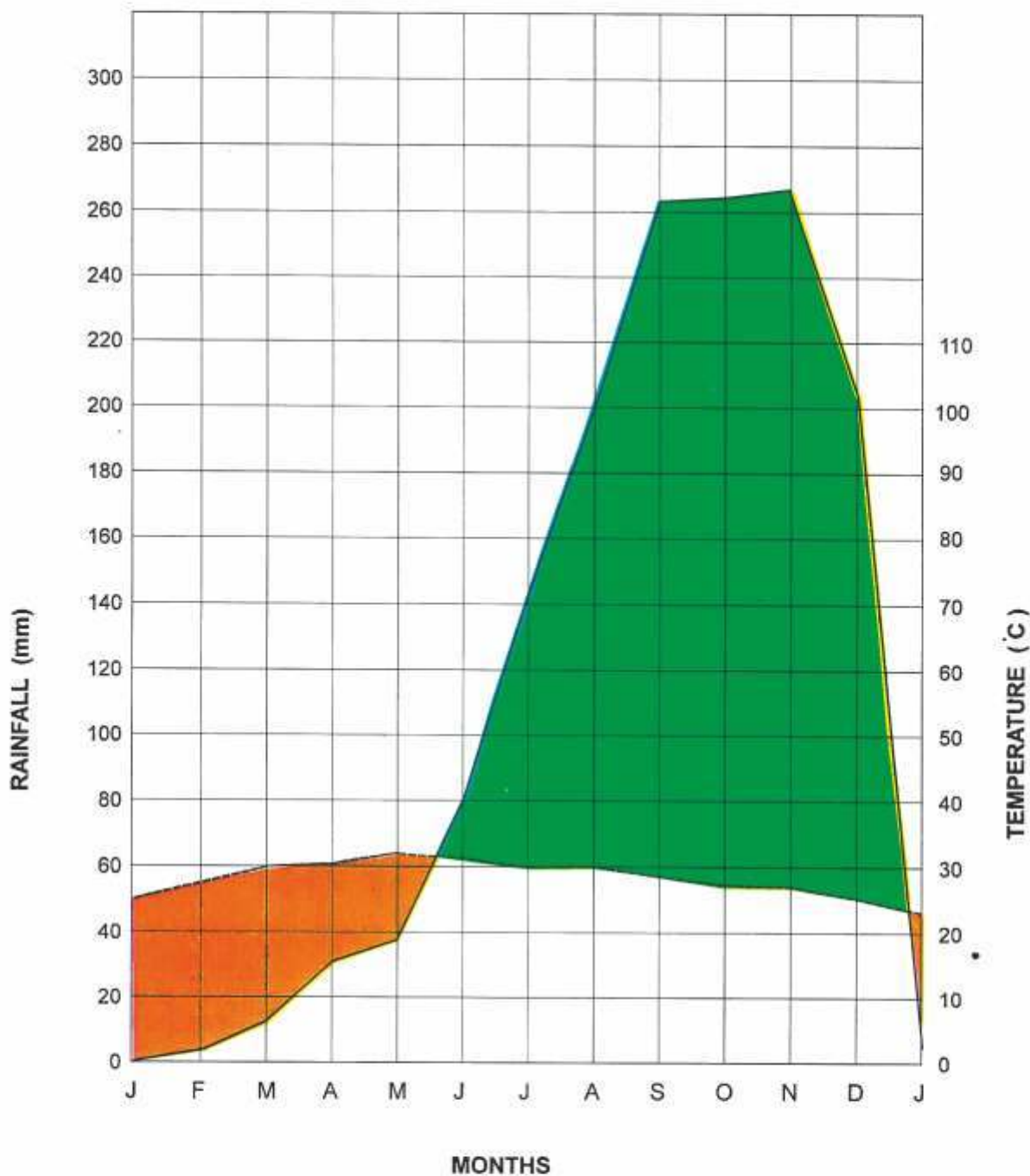
Month	Mean rainfall (mm)	Mean Temperature (°C)
January	—	24.9
February	1.3	26.2
March	10.5	30.05
April	29.5	30.2
May	37.8	32.95
June	76.3	31.2
July	144.0	30.1
August	192.0	30.0
September	262.0	29.2
October	264.0	27.95
November	269.5	27.9
December	208.7	25.1
Total	1495.6	27.84

The Ombrothermic diagram prepared from the rainfall and temperature indicate wet period of seven months and dry period of five months in a year.



OMBROTHERMIC DIAGRAM

KANCHEEPURAM DISTRICT



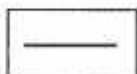
WET MONTHS



DRY MONTHS



RAINFALL (mm)



TEMPERATURE (°C)

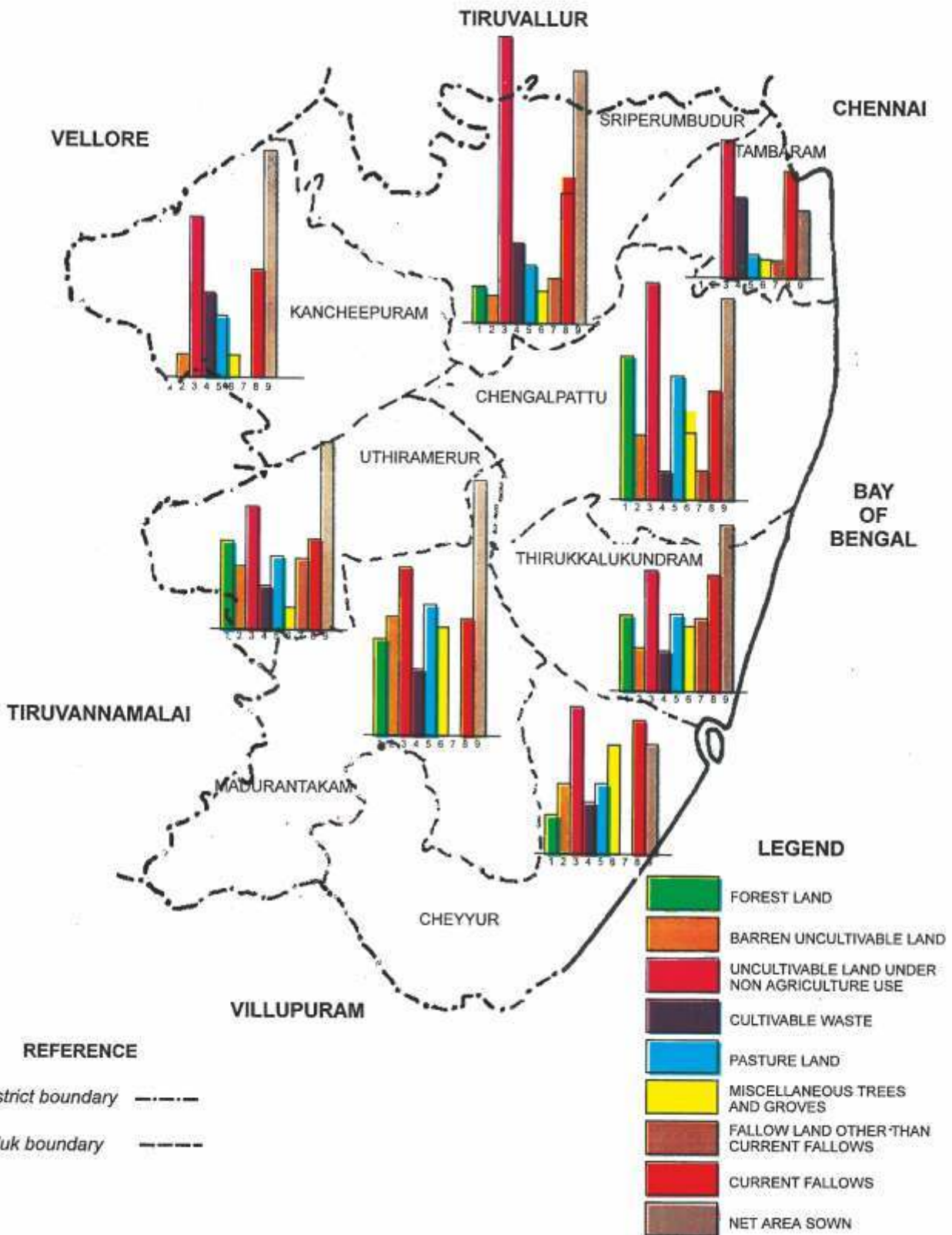


LAND USE PATTERN

Land use		Chen galpet	Che yyur	Kan chee puram	Madu ranta gam	Sri perum budur	Tam baram	Thiru kkalu kundram	Uthira merur	Total
Total geographical area	ha %	77284 (100)	61691 (100)	62528 (100)	75995 (100)	67046 (100)	21749 (100)	35282 (100)	41635 (100)	443210 (100)
1. Forest	ha %	14510 (18.8)	629 (1.0)	—	2779 (3.6)	1841 (2.7)	—	2253 (6.4)	1844 (4.43)	23856 (5.4)
2. Barren and cultivable land	ha %	2426 (3.2)	2638 (4.3)	553 (0.8)	2904 (3.8)	149 (0.2)	—	964 (2.7)	1420 (3.41)	11054 (2.5)
3. Land put to non Agrl. use.	ha %	23378 (30.3)	13028 (21.1)	22672 (36.3)	17949 (23.6)	26490 (39.5)	11815 (54.4)	10990 (31.2)	11760 (28.3)	138082 (31.2)
4. Cultivable waste.	ha %	703 (0.9)	1610 (2.6)	2389 (3.8)	784 (1.0)	2884 (4.3)	1485 (6.83)	149 (0.42)	615 (1.47)	10619 (2.4)
5. Permanent pastures and grazing lands	ha %	4524 (5.85)	2637 (4.1)	1671 (2.7)	5596 (7.4)	2422 (3.6)	430 (2.0)	1520 (4.3)	1320 (1.5)	20020 (4.5)
6. Miscellaneous tree crops & Groves	ha %	1263 (1.6)	4385 (7.1)	769 (1.3)	2345 (3.1)	249 (0.37)	160 (0.74)	892 (2.5)	448 (1.07)	10538 (2.4)
7. Current fallow	ha %	716 (0.93)	—	—	—	1769 (2.6)	118 (0.54)	1149 (3.3)	952 (2.28)	4704 (1.1)
8. Other fallows lands	ha %	8700 (11.3)	5698 (9.3)	6432 (10.3)	12837 (16.9)	9641 (14.4)	4041 (18.58)	2739 (7.7)	5286 (12.69)	55374 (12.3)
9. Net area sown	ha %	21064 (27.3)	3116 (5.05)	28015 (44.8)	30801 (40.5)	21601 (32.21)	3700 (17.3)	14626 (41.5)	17990 (43.2)	16896 (38.2)



LAND USE PATTERN KANCHEEPURAM DISTRICT



FORESTS

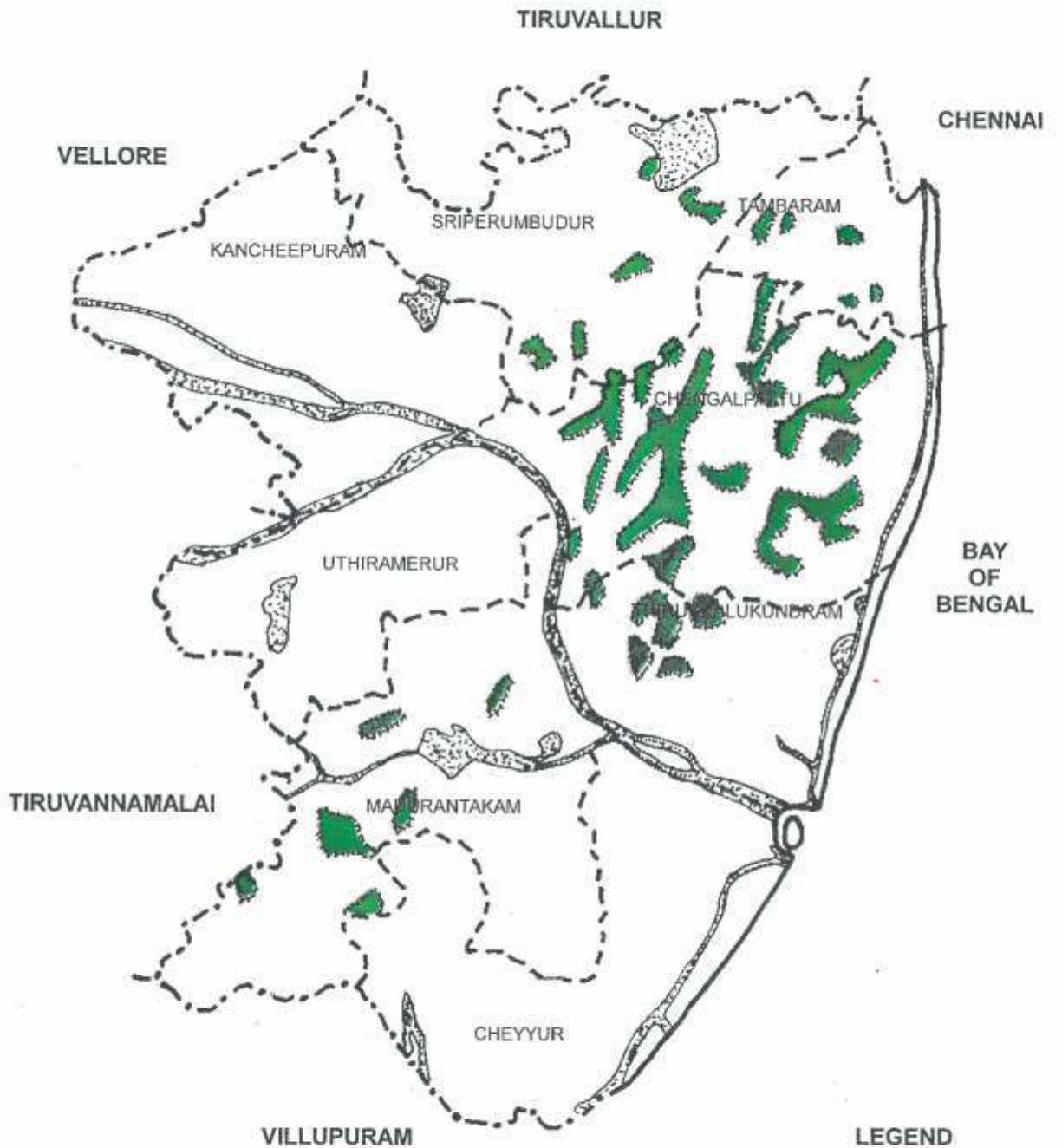
Total area under Forests in the District is 23,856 hectares which accounting for 5.4% of the District.

Taluk	Area	
	Ha	%
1. CHENGALPATTU	14510	60.8
2. CHEYYUR	629	2.7
3. KANCHEEPURAM	—	—
4. MADURANTAGAM	2779	11.6
5. SRIPERUMBUDUR	1841	7.7
6. TAMBARAM	—	—
7. THIRUKKALUKUNDRAM	2253	9.5
8. UTHIRAMERUR	1844	7.7
Total	23856	100.0



FOREST

KANCHEEPURAM DISTRICT



REFERENCE

- District boundary
- Taluk boundary
- River
- Tank

LEGEND

- FOREST BOUNDARY

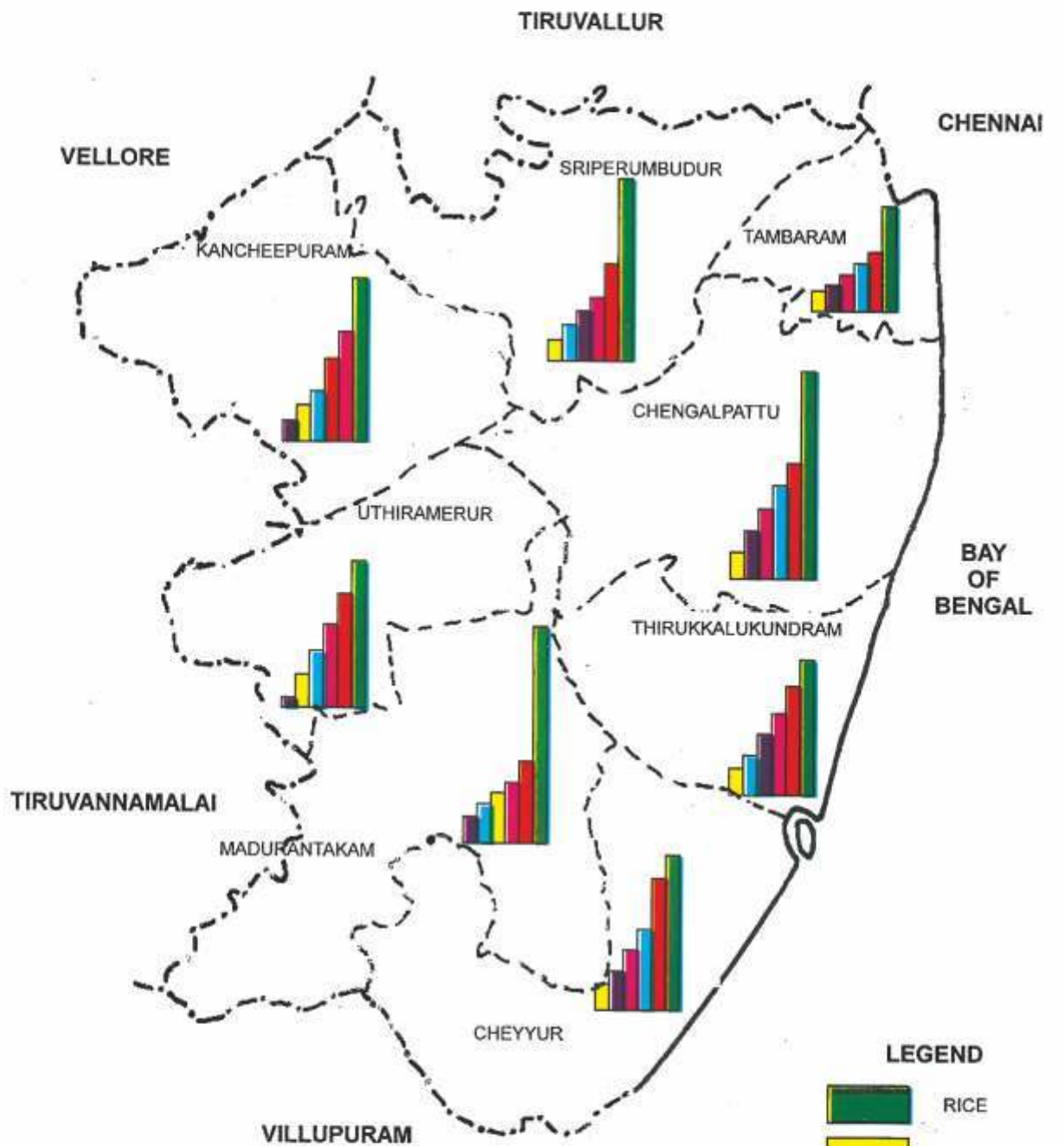
CROP AREA

(Area in Hactares)

Taluk	Rice	Ragi	Sugar cane	Pulses	Ground nut	Coconut
1. Chengalpattu	20980	54	257	237	1380	731
2. Cheyyur	24749	197	450	339	4660	1046
3. Kancheepuram	29204	16	1436	3	910	112
4. Madurantagam	23045	100	1120	20	1816	84
5. Sriperumbudur	23618	29	139	82	502	33
6. Tambaram	3119	23	35	27	297	57
7. Thirukkalukundram	12915	66	569	379	2481	214
8. Uthiramerur	12248	296	2091	492	2564	47
Total	141878	781	6097	1579	14610	2324



CROP AREA KANCHEEPURAM DISTRICT



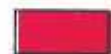





REFERENCE

District boundary - - - - -

Taluk boundary - - - - -

LEGEND

-  RICE
-  RAGI
-  SUGARCANE
-  PULSES
-  GROUNDNUT
-  COCONUT

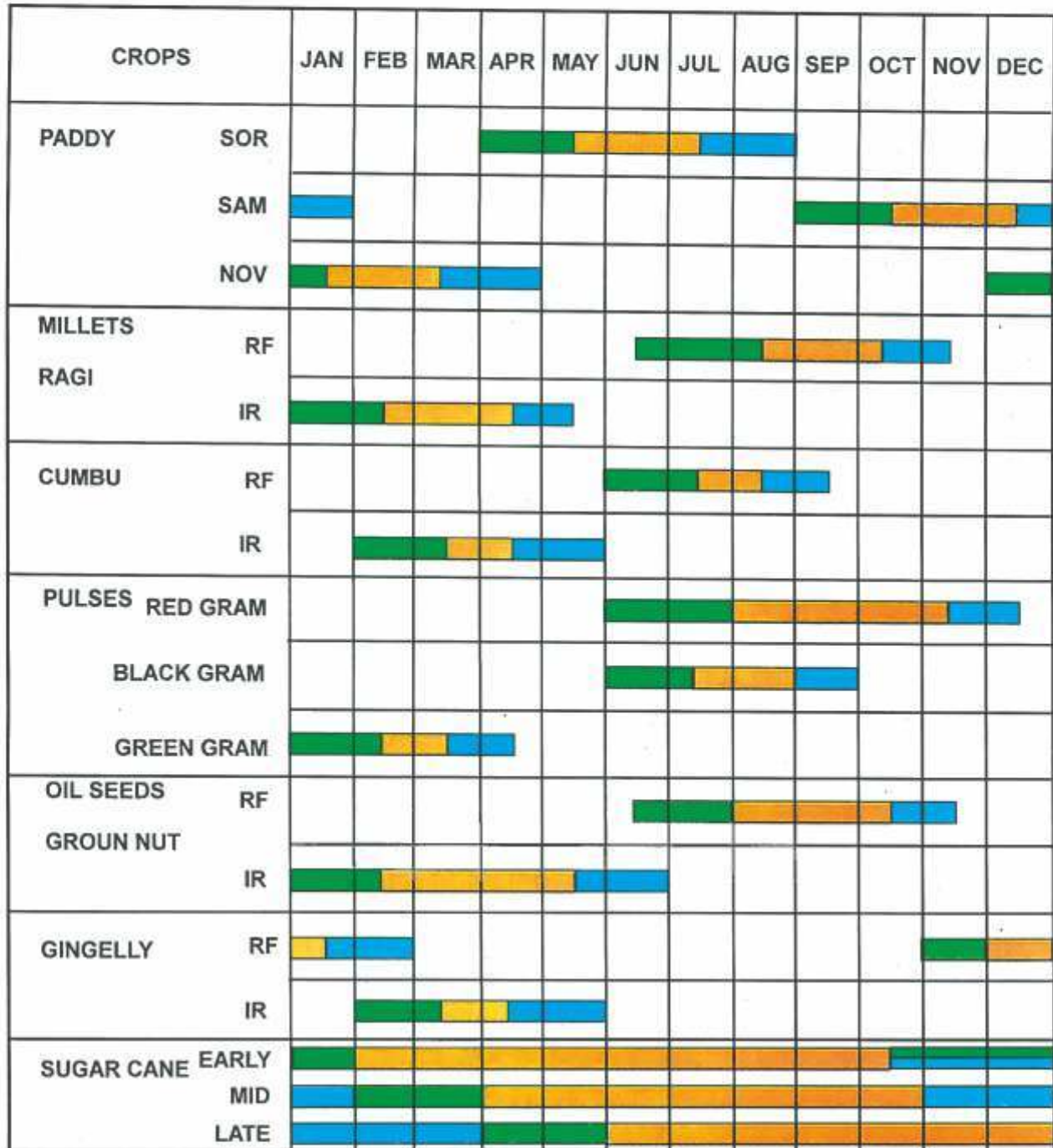
CROPPING CALENDER

The major crops grown in the District are Paddy, Groundnut, Ragi, Pearl millet, Sugarcane, Gingelly, Chillies, Pulses and other crops. The phenologic seasons of these crops are shown in the chart indicating the various stages of crops during different months.



CROPPING CALENDAR

KANCHEEPURAM DISTRICT



IR - IRRIGATED RF - RAINFED

Sowing Stage
 Vegetative Stage
 Harvest Stage

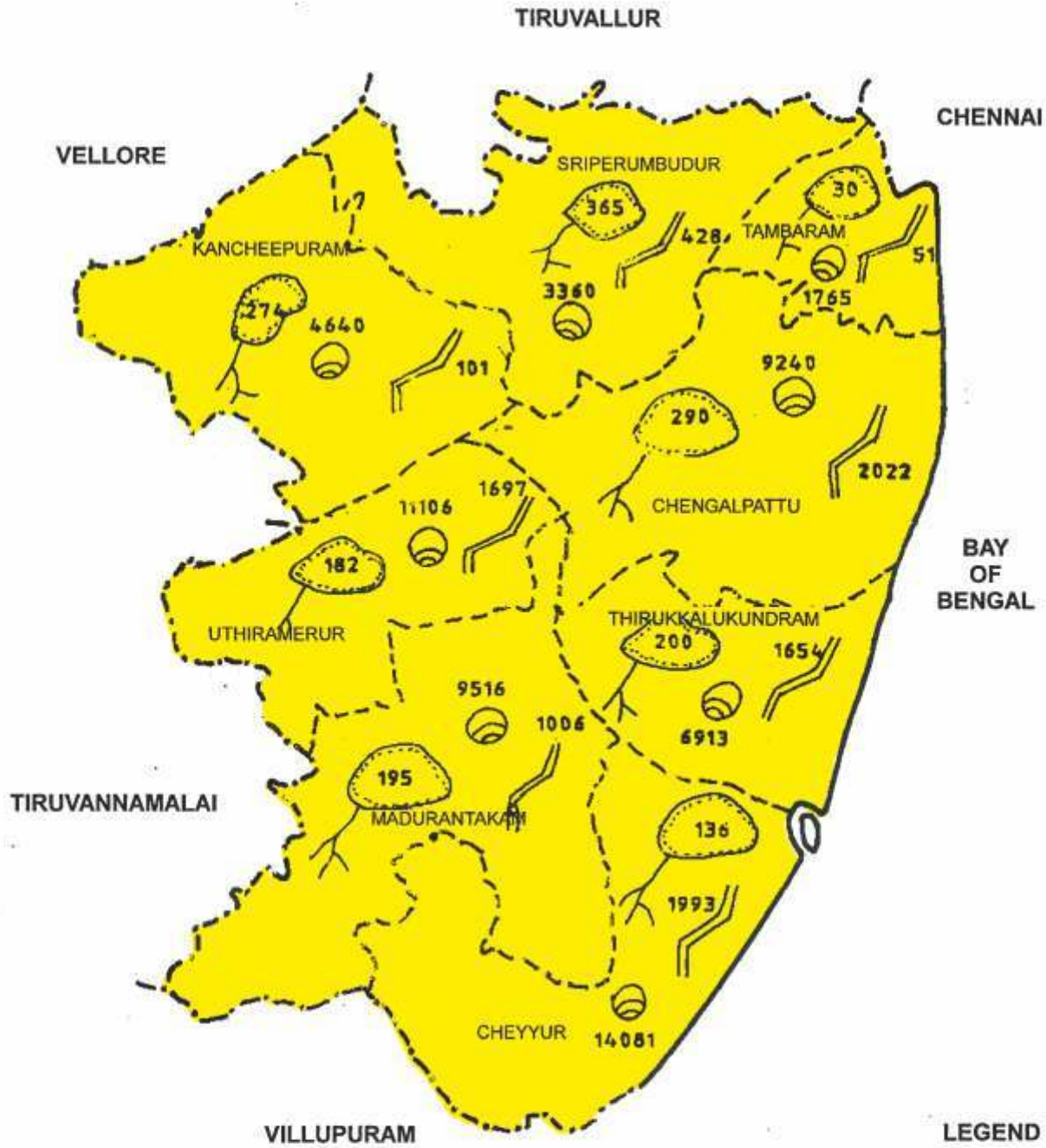
SOURCES OF IRRIGATION

The Palar river passes in the centre of the District through Kancheepuram taluk, Uthiramerur taluk, Chengalpattu taluk, Thirukkalukundram taluk and Cheyyur taluk. The Palar river canal system benefits the above taluks maximum tanks. The other rivers Cheyyar and Vagavathi, Kanbakkal Channel are receiving water only during rainy seasons including Palar river.

Taluk	Canals	Wells	Tanks
1. Chengalpattu	2022	9240	290
2. Cheyyur	1993	14081	136
3. Kancheepuram	101	4640	274
4. Madurantagam	1006	9516	195
5. Sriperumbudur	428	3360	365
6. Tambaram	51	1765	30
7. Thirukkalukundram	1654	6913	200
8. Uthiramerur	1697	11106	182
Total	8952	60621	1672



SOURCES OF IRRIGATION KANCHEEPURAM DISTRICT




REFERENCE

District boundary - - - - -

Taluk boundary - - - - -

LEGEND

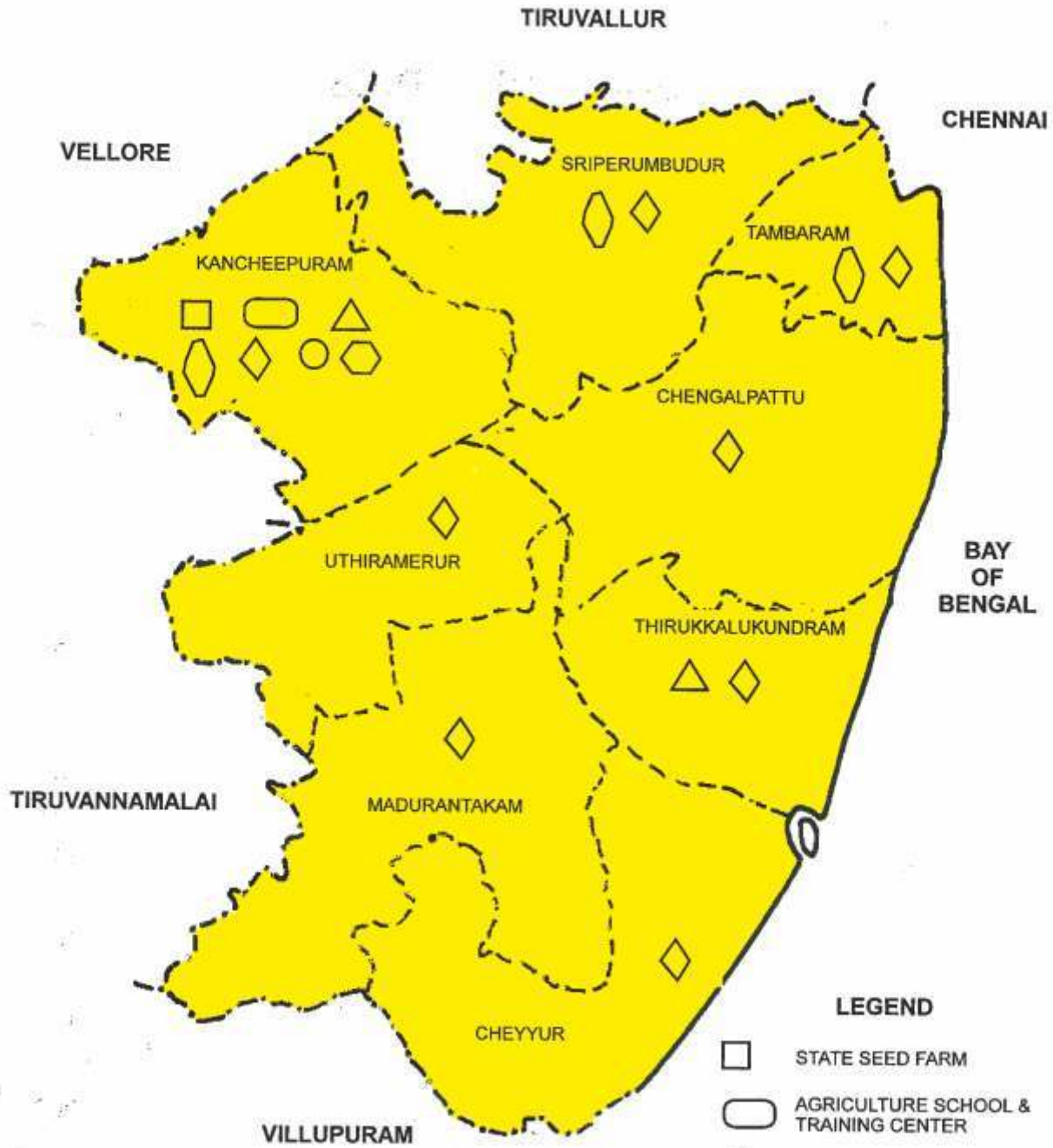
-  WELL
-  TANK
-  CANAL

AGRICULTURAL INSTITUTIONS

Taluk	State Seed Farm	Agri. School and Trg. centre	Agri. Laboratory.	Agri. Depot.	Horti culture Farm	Oil Seed Farm	Plant clinic centre
1. Chengalpattu	—	—	—	3	—	—	—
2. Cheyyur	—	—	—	4	—	—	—
3. Kancheepuram	1	2	4	4	3	1	1
4. Madurantagam	—	—	—	5	—	—	—
5. Sriperumbudur	—	—	—	7	—	1	—
6. Tambaram	—	—	—	3	—	1	—
7. Thirukkalukundram	—	—	—	3	1	—	—
8. Uthiramerur	—	—	—	3	—	—	—
Total	1	2	4	32	4	3	1



AGRICULTURAL INSTITUTIONS KANCHEEPURAM DISTRICT










REFERENCE

District boundary - - - - -

Taluk boundary - - - - -

LEGEND

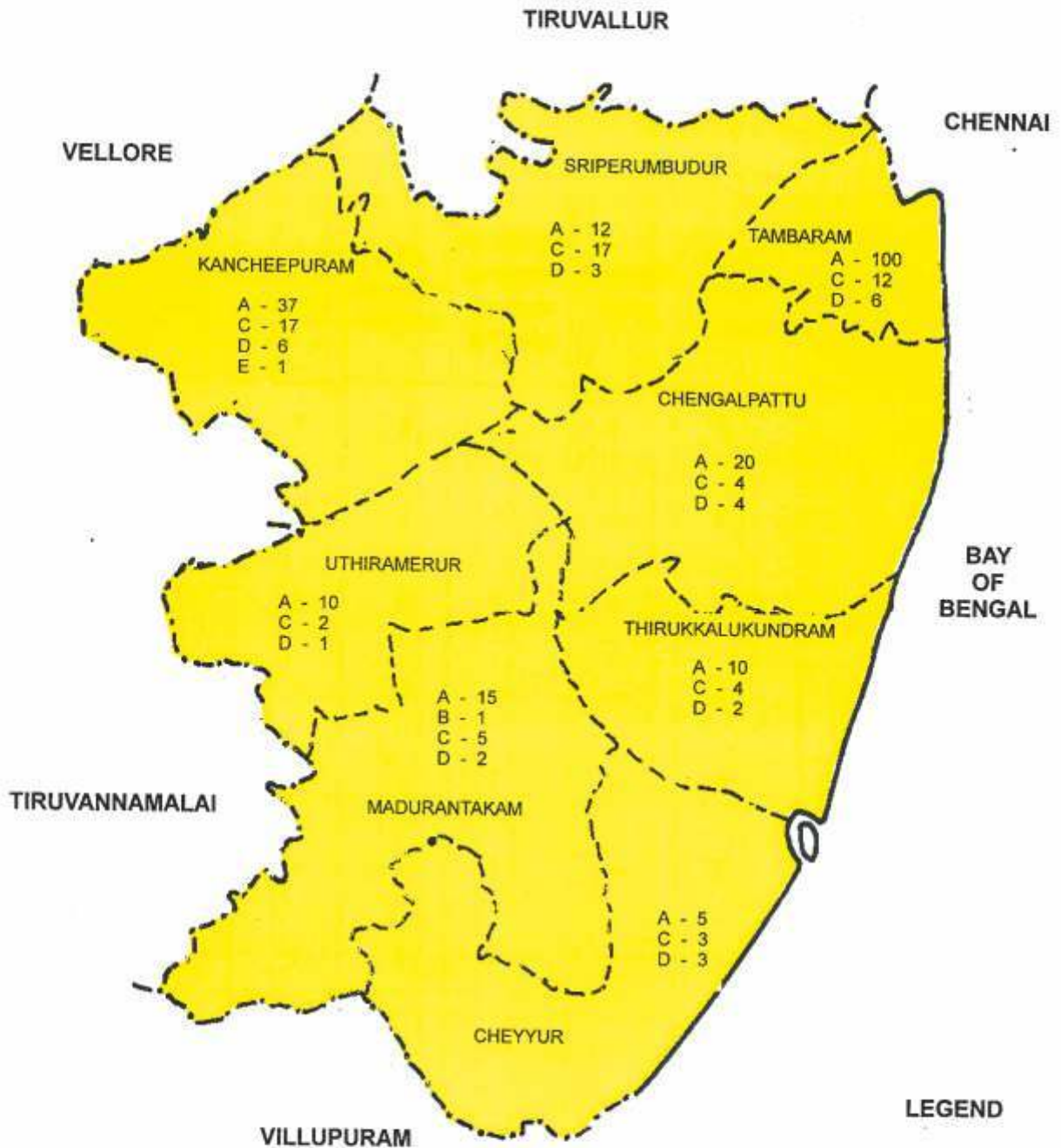
-  STATE SEED FARM
-  AGRICULTURE SCHOOL & TRAINING CENTER
-  HORTICULTURE FARM
-  SOIL SEED FARM
-  AGRICULTURE LABORATORY
-  PLANT CLINIC CENTRE
-  AGRICULTURE DEPOT

AGRO INDUSTRIES

Taluk	Pood Products	Sugar factory	Rice & Oil mill	Textiles	Ginning factory	Total
1. Chengalpattu	20	—	4	4	—	28
2. Cheyyur	5	—	3	3	—	11
3. Kancheepuram	37	—	17	6	1	61
4. Madurantagam	15	1	5	2	—	23
5. Sriperumbudur	12	—	17	3	—	32
6. Tambaram	100	—	12	6	—	118
7. Thirukkalukundram	10	—	4	2	—	16
8. Uthiramerur	19	—	2	1	—	13
Total	209	1	64	27	1	302



AGRO INDUSTRIES KANCHEEPURAM DISTRICT

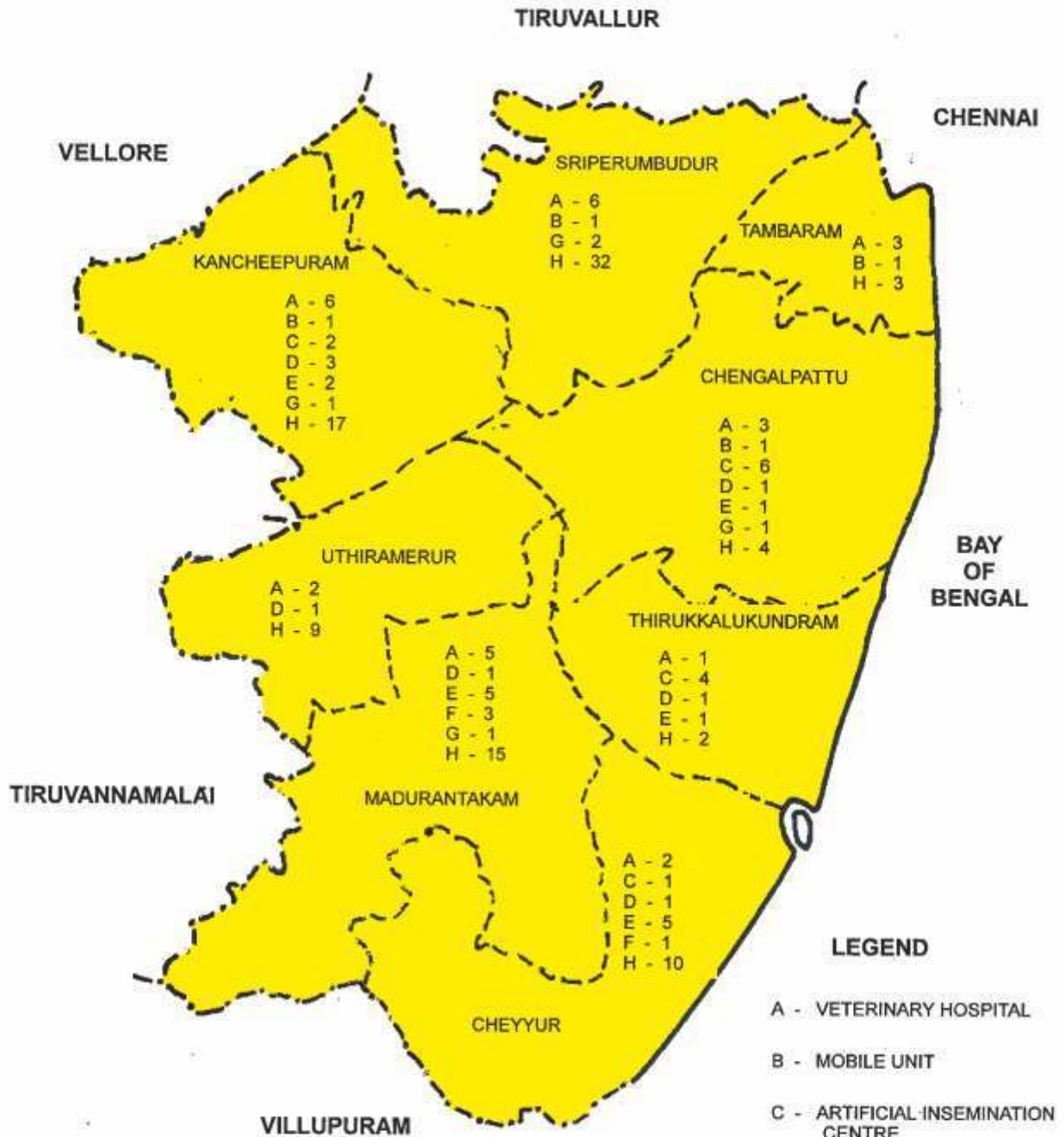


ANIMAL HUSBANDRY INSTITUTIONS

Taluk	Veterinary Hospital	Mobile unit	Artificial insemination centre	Key village centre	Sheep centre	Poultry centre	Slaughter house	Other centre
1. Chengalpattu	3	1	6	1	1	—	—	2
2. Cheyyur	2	—	1	1	5	1	—	10
3. Kancheepuram	6	1	2	3	2	—	1	17
4. Madurantagam	5	—	—	1	5	3	1	15
5. Sriperumbudur	6	—	1	—	—	—	2	32
6. Tambaram	3	—	1	—	—	—	—	3
7. Thirukkalukundram	1	—	4	1	1	—	—	2
8. Uthiramerur	2	—	—	1	—	—	—	9
Total	28	2	15	8	142	4	5	92



ANIMAL HUSBANDRY INSTITUTIONS KANCHEEPURAM DISTRICT

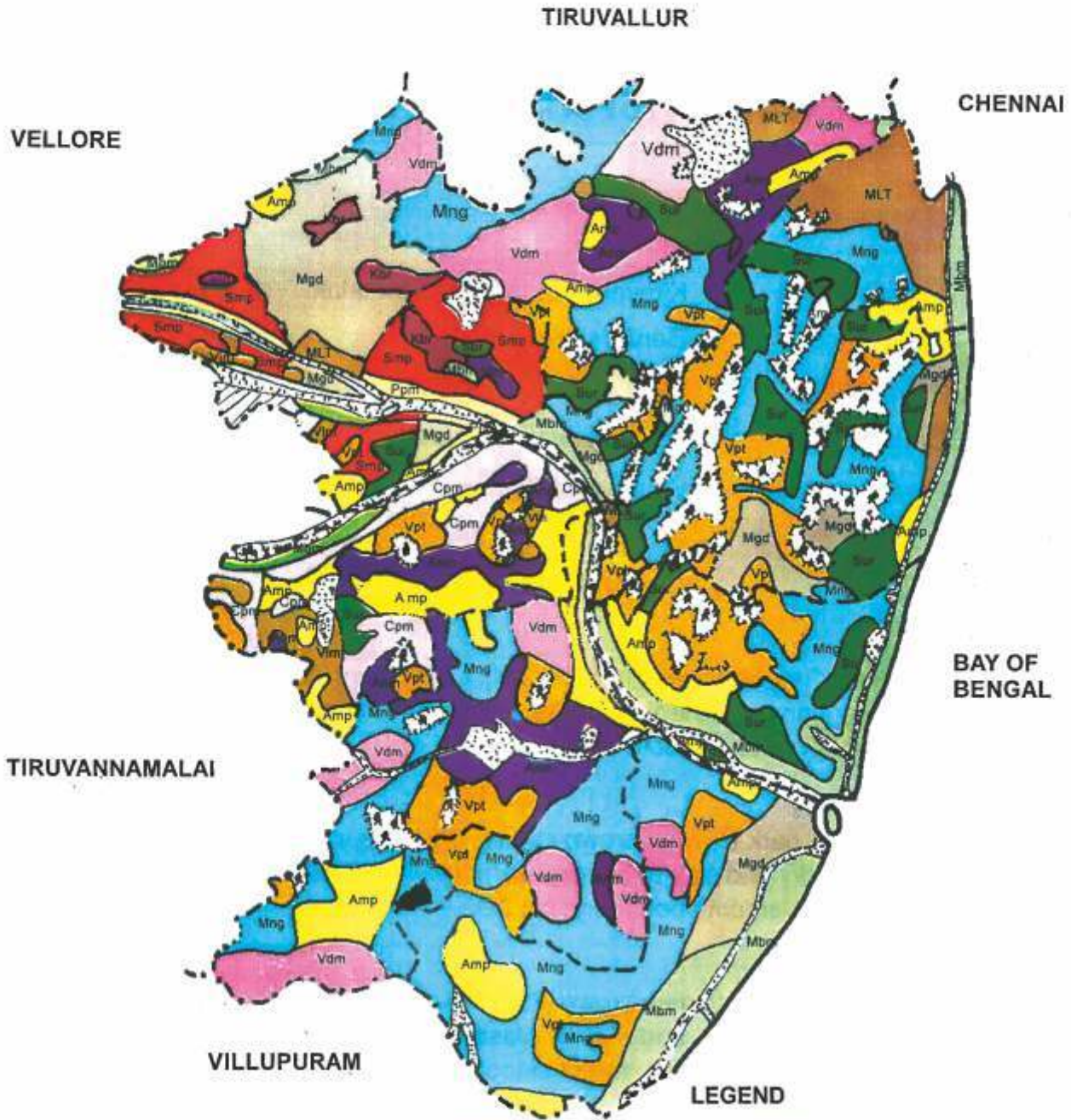


SOILS

Soil series	Symbol	Extent	
		Ha	%
1. Mangalathupattu	Mng	95,357	21.52
2. Vanapatti	Vpt	40,467	9.13
3. Ammapet	Amp	32,952	7.43
4. Vadamadurai	Vdm	29,605	6.68
5. Mangadu	Mgd	25,209	5.68
6. Suramangalam	Sur	25,188	5.68
7. Arasanatham	Anm	25,104	5.66
8. Samanthapuram	Smp	18,105	4.08
9. Mahabalipuram	Mbm	16,469	3.73
10. Chickarasapalayam	Cpm	9,750	2.13
11. Vallam	Vlm	3,730	0.84
12. Kurumbalur	Kbr	2,485	0.56
13. Pallipalayam	Ppm	1,920	0.43
14. Soil Association	—	3,095	0.58
15. Miscellaneous land type	Mct	28,889	6.53
16. Forest and others	—	84,885	19.30
Total		4,43,210	100.00



SOILS KANCHEEPURAM DISTRICT



REFERENCE

- District boundary ————
- Taluk boundary - - - - -
- Rivers
- Tank
- Forest boundary - - - - -

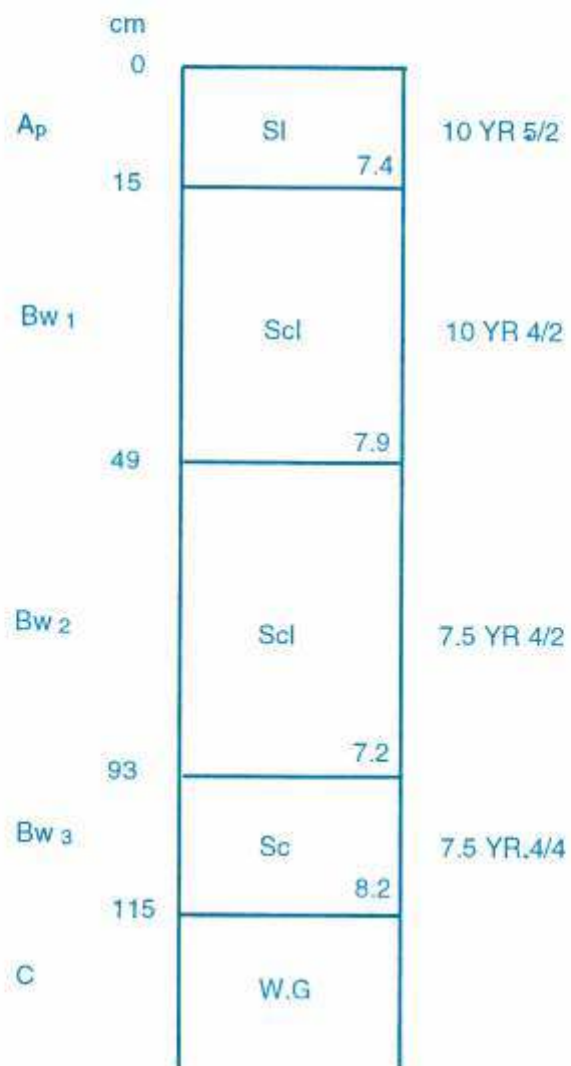
Mng	MANGALATHUPATTY	Smp	SAMANTHIPURAM
Mbm	MAHABALIPURAM	Vdm	VADAMADURAI
Sur	SURAMANGALAM	Ppm	PALLIPALAYAM
Mgd	SURAMANGALAM	Vlm	VALLAM
Vpt	VANNAPATTY	Cpm	CHICKARASAMPALAYAM
Amp	AMMAPET	Arn	ARASANATHAM
Kbr	KURUMBALUR	MLT	MISCELLANEOUS LAND TYPE
			SOIL ASSOCIATION

MANGALATHUPATTU SERIES (Mng)

Location : Kiravadi, Maduranthakam taluk
Physiography : Gently sloping
Topography : Plain
Drainage : Moderately well drained
Parent material : Weathered Gneiss

HORIZON	DESCRIPTION
A _p	0 - 15 cm; Grayish brown (10 YR 5/2 M); sandy loam loose (dry) friable (moist) common fine and medium roots; common fine pores; moderately rapid permeability; clear smooth boundary; pH 7.4.
Bw ₁	15 - 49 cm; dark Grayish brown (10 YR 4/2 M); sandy clay loam slightly firm (moist), sticky and slightly plastic (wet); few fine roots; many fine pores; slow permeability; smooth boundary; pH 7.9.
Bw ₂	49 - 93 cm; brown to dark brown (7.5 YR 4/2 M); sandy clay loam slightly firm (moist); slightly stick and slightly plastic (wet); few fine roots; common fine pores; slow permeability; abrupt smooth boundary; pH 7.9.
Bw ₃	93 - 175 cm; dark brown (7.5 YR 4/4 M); gravely sandy clay; firm moist, sticky and plastic (wet); no roots no pores; slow permeability; abrupt wavy boundary; pH 8.2.

MANGALATHUPATTY SERIES (Mng)



Soil Taxonomy : Fine loamy, non-calcareous mixed hyperthermic
Typic Ustropept

VANNPATTI SERIES (Vpt)

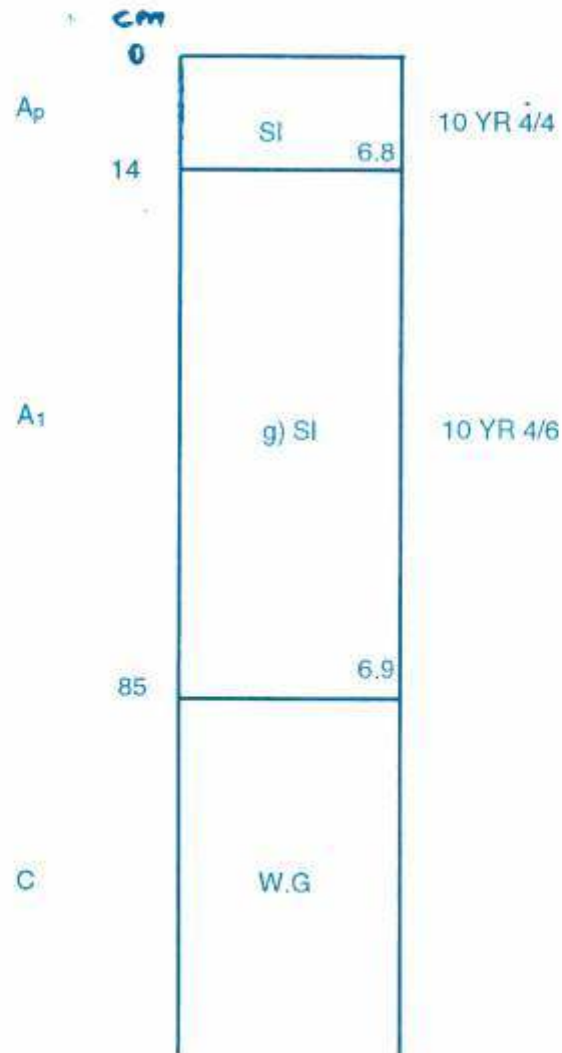
Location : Elakkaymangalam village
Physiography : Sloping
Topography : Undulating
Drainage : Well drained
Parent material : Weathered Gneiss

HORIZON

DESCRIPTION

A _p	0 - 14cm; very dark brown (10 YR 4/4); sandy loam, weak, massive, common coarse roots, many medium pores, rapid permeability; clear wavy boundary; pH 6.8.
A ₁	14 - 35 cm; very dark brown (10 YR 4/6); gravelly sandy loam; massive; friable (moist); common coarse roots; many medium pores; rapid permeability; diffused wavy boundary; pH 6.9.

VANNAPPATY SERIES (Vpt)



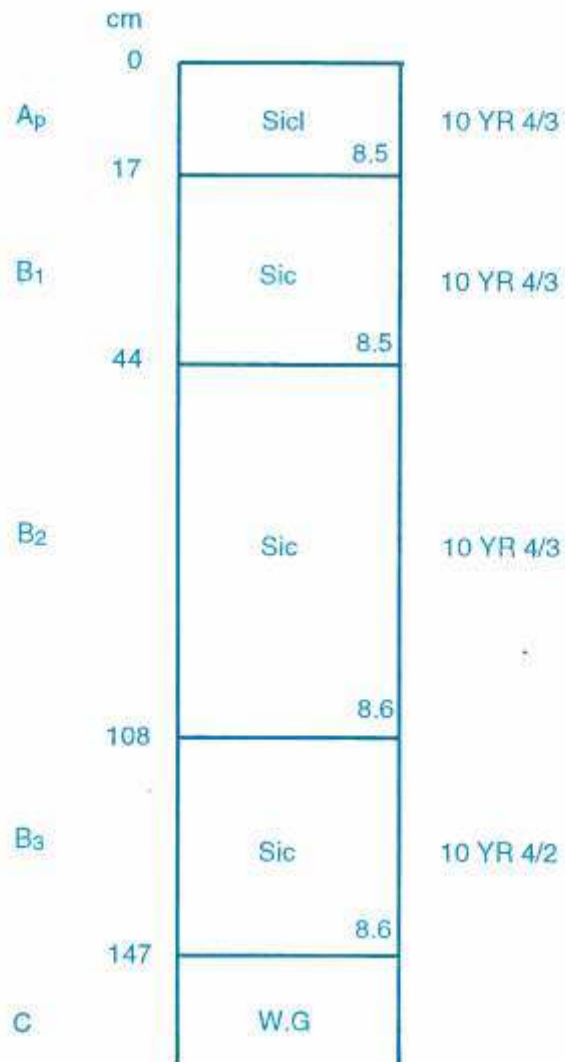
Soil Taxonomy : Coarse, loamy, hyperthermic, non-calcareous
Typic Ustorthents

AMMAPET SERIES (Amp)

Location : Meloginimoni village, Uthiramerur taluk
Physiography : Gently sloping
Topography : Plain
Drainage : Poorly drained
Parent material : Weathered Gneiss

HORIZON	DESCRIPTION
A _p	0 - 17 cm; dark brown (10 YR 4/3 M); silty clay loam; firm (moist); fine distinct strong mottling present; weak; effervescence; common fine roots; common fine pores; more than one cm width crack present; slow permeability; diffused smooth boundary; pH 8.5.
B ₁	17 - 44 cm; dark brown (10 YR 4/3 M); silty clay; moderate, strong; angular blocky; dry hard; firm (moist); sticky and plastic; concretions present; few very fine pores; slow permeability; diffused smooth boundary; pH 8.5.
B ₂	44 - 108 cm; dark brown (10 YR 4/3 M); silty clay; angular blocky; dry land; firm (moist); sticky and plastic; moderate effervescence; concretions presents; slicken sides present; slow permeability; diffused smooth boundary; pH 8.5.
B ₃	108 - 147 cm; dark brown (10 YR 4/3 M); silty clay firm (moist) present slicken sides; slow permeability; diffused smooth boundary; pH 8.6.

AMMAPET SERIES (Amp)



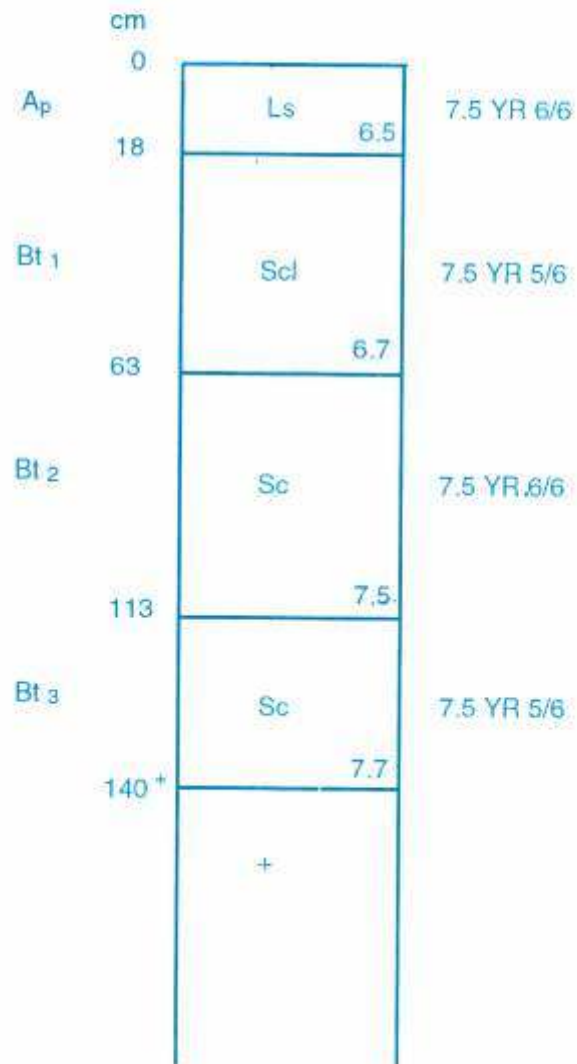
Soil Taxonomy : Fine very deep, montmorillonitic, hyperthermic
Typic Haplusterts

VADAMADURAI SERIES (Vdm)

Location : Elimiankottu village, Sriperumbudur taluk
Physiography : Gently sloping
Topography : Plain
Drainage : Moderately drained
Parent material : Weathered Gneiss

HORIZON	DESCRIPTION
A _p	0 - 18 cm; reddish yellow (7.5 YR 6/6 M); loamy sand, hard (dry); friable (moist) very fine to medium roots; very rapidly permeable; clear smooth boundary; pH 6.5.
Bt ₁	18 - 63 cm; reddish yellow (7.5 YR 5/6 M); sandy clay loam, firm (moist) thin patchy clay films; on ped faces; rapidly permeability; smooth boundary; pH 6.7.
Bt ₂	63 - 113 cm; reddish yellow (7.5 YR 6/6 M); sandy clay; very firm (moist) sticky and plastic (wet); Fe and Mn concretions present; thin patchy clay films on ped faces; slow permeability; smooth boundary; pH 7.5.
Bt ₃	113 - 140 ⁺ cm; strong brown (7.5 5/6 M); sandy clay; very firm (moist) sticky and plastic (wet); thin patchy clay films on ped faces; slowly permeability; pH 7.7.

VADAMADURAI SERIES (Vdm)



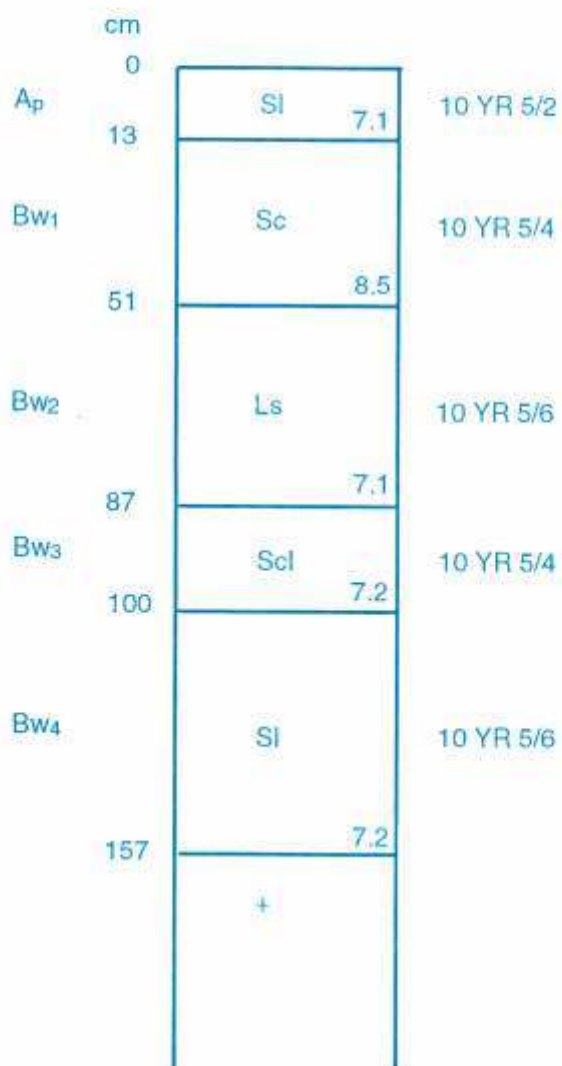
Soil Taxonomy : Fine, loamy, very deep, mixed hyperthermic
Udic Haplustalfs

MANGADU SERIES (Mgd)

Location : Karai village, Kancheepuram taluk
Physiography : Gently slope
Topography : Plain
Drainage : Moderately
Parent material : Alluvium (Sand)

HORIZON	DESCRIPTION
A _p	0 - 13 cm; yellowish brown (10 YR 5/2 M); Sandy loam; massive, friable (moist), Fe mortlings were present, common coarse roots, common medium pores, moderately rapid permeability; clear smooth boundary; pH 7.1.
Bw ₁	13 - 51 cm; yellowish brown (10 YR 5/4 M); sandy clay, massive, firm (moist), slightly sticky and plastic; medium distinct yellowish brown Fe mortlings present; few coarse roots; common fine pores; moderately rapid permeability; abrupt clear boundary; pH 8.5.
Bw ₂	15 - 87 cm; yellowish brown (10 YR 5/6 M); loamy sand; loose, friable (moist); few fine roots; common; medium pores; rapid permeability; clear smooth boundary; pH 7.1.
Bw ₃	87 - 100 cm; yellowish brown (10 YR 5/4 M); sandy clay loam; slightly firm (moist) sticky and plastic slightly (wet); few fine roots; many fine pores, moderately rapid permeability; diffused wavy boundary; pH 7.2.
Bw ₄	100 - 158 ⁺ cm; yellowish brown (10 YR 5/6 M); sandy loam, weak, friable (moist), few fine roots; common fine pores, moderately rapid permeability; diffused wavy boundary; pH 7.2.

MANGADU SERIES (Mgd)



Soil Taxonomy : Fine, deep, mixed, hyperthermic
Fluventic Ustropepts

SURAMANGALAM SERIES (Sur)

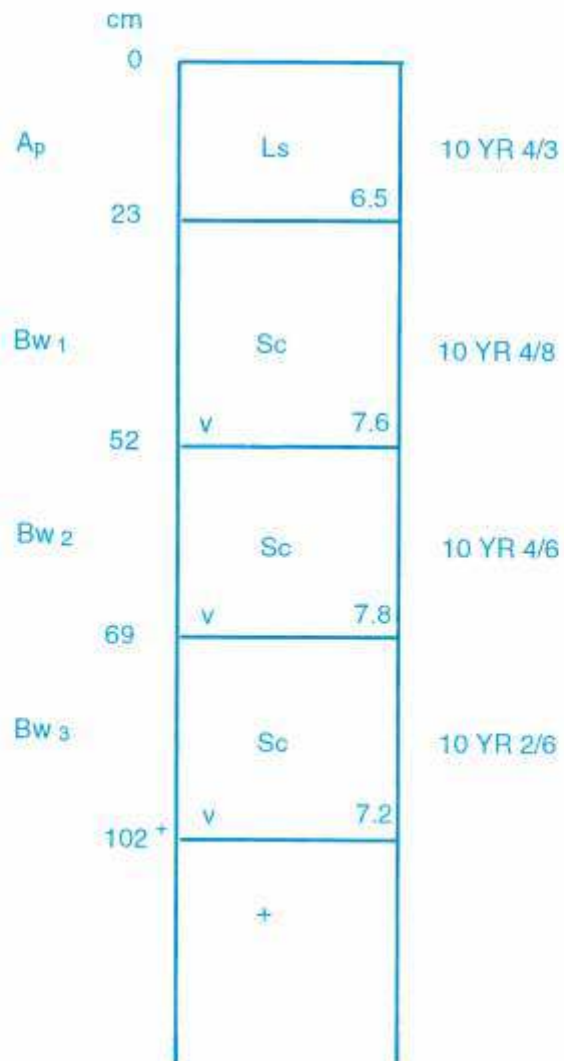
Location : Pattipulam, Chengalpattu taluk
Physiography : Gently sloping
Topography : Plain
Drainage : Poorly drained
Parent material : Weathered Gneiss

HORIZON

DESCRIPTION

A _p	0 - 23 cm; brown to dark brown (10 YR 4/3 M); loamy sand; loose (dry) friable (moist); common medium pores; common fine and few coarse roots; rapid permeability; clear wavy boundary; pH 6.5.
Bw ₁	23 - 52 cm; light brownish gray (10 YR 4/8 M); sandy clay; sticky and plastic; firm (moist) hard (dry); common very fine pores; patchy pressure faces; moderately slow permeability; clear wavy boundary; pH 7.6.
Bw ₂	52 - 69 cm; Grayish brown (10 YR 4/6 M); sand clay; sticky and plastic; firm (moist); hard (dry); common very fine and few fine pores; slow permeability; clear wavy boundary; pH 7.8.
Bw ₃	69 - 102 cm; dark yellowish brown (10 YR 2/6 M); sandy clay; sticky and plastic (wet) firm (moist), hard (dry); very slow permeability; pH 7.2.

SURAMANGALAM SERIES (Sur)



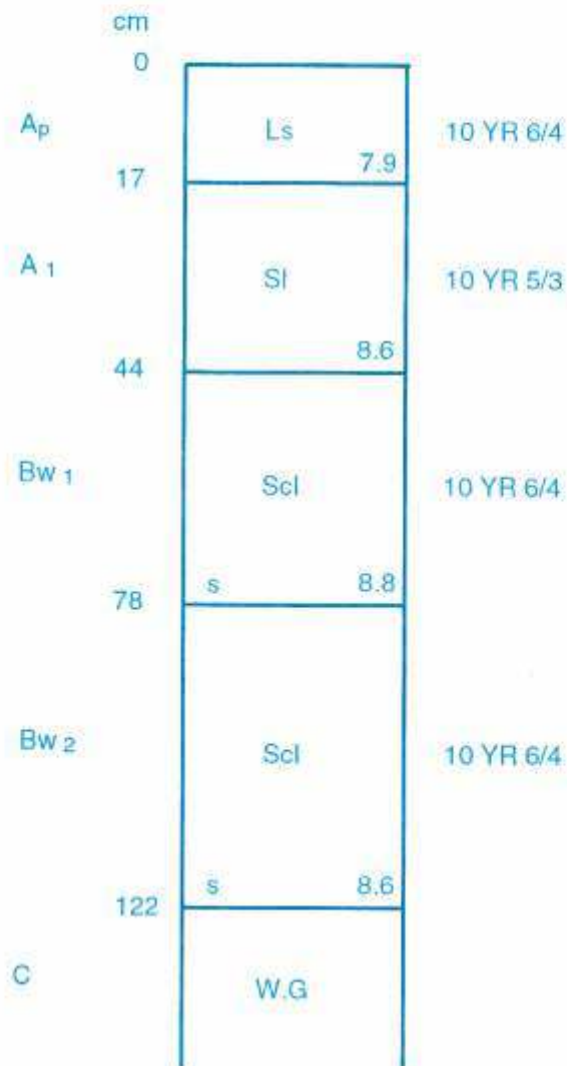
Soil Taxonomy : Fine loamy, very deep, mixed Isohyperthermic
Vertic ustropepts

ARASANATHAM SERIES (Anm)

Location : Poondamallee, Sriperumbudur taluk
Physiography : Gently sloping
Topography : Plain
Drainage : Moderately drained
Parent material : Weathered Gneiss

HORIZON	DESCRIPTION
A _p	0 - 17 cm; light yellowish brown (10 YR 6/4 M); loamy sand soft (dry) friable (moist) moderate reaction to acid, many fine and medium roots; common fine pores; rapid permeability; pH 7.9.
A ₁	17 - 44 cm; brown (10 YR 5/3 M); sandy loam; friable (moist); slightly sticky and slightly plastic (wet); fine and medium roots; common fine pores; moderately rapid permeability; abrupt smooth boundary; pH 8.6.
Bw ₁	44 - 87 cm; light yellowish brown (10 YR 6/4 M); sandy clay loam; firm (moist); slightly sticky slightly plastic (wet) common fine and few coarse roots; common fine pores; slow permeability; smooth boundary; pH 8.8.
Bw ₂	78 - 122 cm; light yellowish brown (10 YR 6/4 M); sandy clay loam; firm (moist) slightly sticky and slightly plastic (wet); lime stone concretions; common fine and medium roots; common fine pores; moderately slow permeability; pH 8.6.

ARASANATHAM SERIES (Ang)



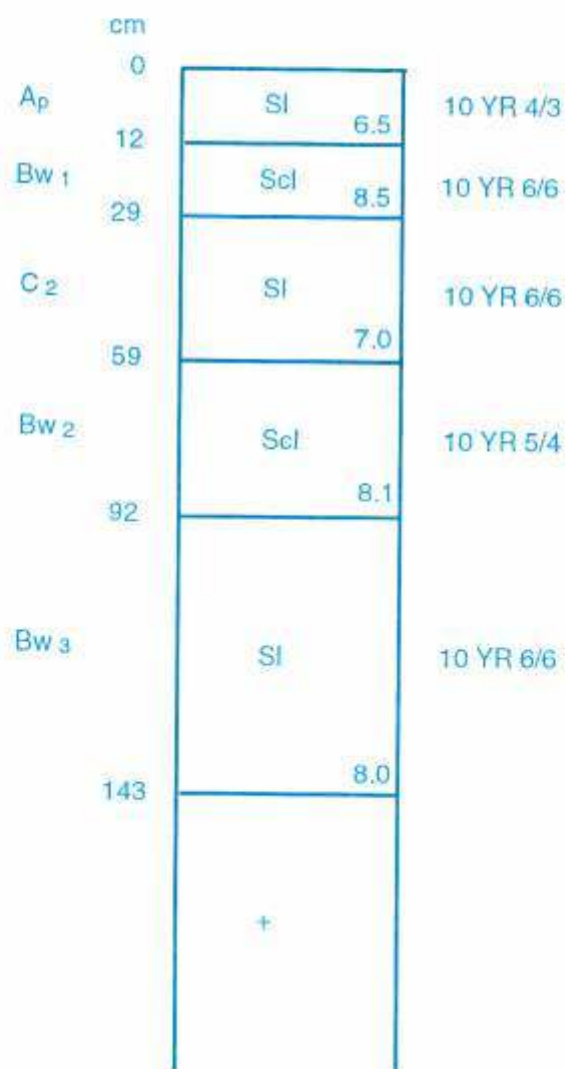
Soil Taxonomy : Fine, loamy, very deep, mixed, Isohyperthermic
Typic Ustropepts

SAMANTHAPURAM SERIES (Smp)

Location : Neervalur, Kancheepuram taluk
Physiography : Gently sloping
Topography : Plain
Drainage : Moderately drained
Parent material : Alluvium

HORIZON	DESCRIPTION
A _p	0 - 12 cm; dark brown (10 YR 4/3 M); sandy loam; loose (dry), friable (moist); common coarse roots; many medium pores; rapid permeability; diffused smooth boundary; pH 6.5.
Bw ₁	12 - 29 cm; brownish yellow (10 YR 4/6 M); sandy clay loam; very hard (dry); very firm but shakes in water; slightly sticky and slightly plastic; few fine roots common fine pores; moderately rapid permeability; clear smooth boundary; pH 8.5.
Bw ₂	59 - 92 cm; yellowish brown (10 YR 5/4 M); sandy clay loam; slightly hard and slightly firm slightly sticky and slightly plastic; few fine roots; common fine pores; moderately rapid permeability; clear smooth boundary; pH 8.1.
Bw ₃	92 - 143 ⁺ , brownish yellow (10 YR 6/6 M); sandy loam; slightly hard (dry); slightly firm (moist); very few fine roots many fine pores; moderately rapid permeability; diffused weak boundary; pH 8.0

SAMANTHIPURAM SERIES (Smp)



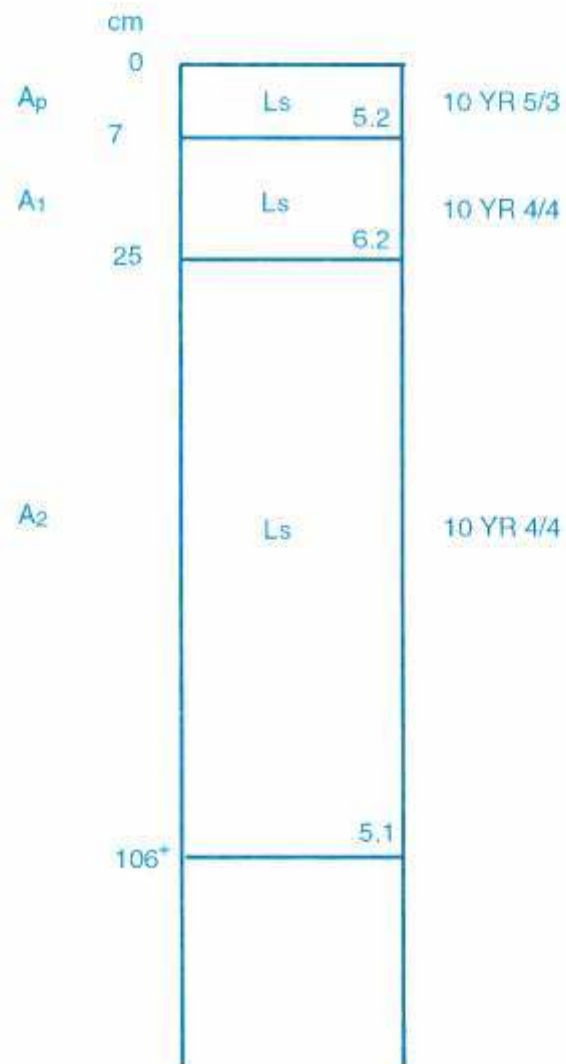
Soil Taxonomy : Fine loamy, mixed, hyperthermic
Fluventic Fragitropepts

MAHABALIPURAM SERIES (Mbm)

Location : Nerumbur, Chengalpattu taluk
Physiography : Gently slope
Topography : Plain
Drainage : Well drained
Parent material : Alluvium (Sand)

HORIZON	DESCRIPTION
A _p	0 - 7 cm; brown (10 YR 5/3); loamy sand; single grained; loose (dry); friable (moist); loose common fine and few medium roots; very rapid permeability; clear wavy boundary; pH 5.2.
A ₁	7 - 23 cm; dark yellowish brown (10 YR 4/4); moist, coarse loamy sand; massive to single grained, few medium pores, common fine roots, very rapid permeability; diffused smooth boundary; pH 5.2.
A ₂	23 - 106 cm; dark yellowish brown (10 YR 4/4); loamy sand; massive; loose (dry) friable (moist); common coarse pores, very rapid permeability; pH 5.1.

MAHABALIPURAM SERIES (Mbm)



Soil Taxonomy : Sand, very deep, silicious, non-calcareous, isohyperthermic
Typic Ustipsamment

CHICKARASAMPALAYAM SERIES (Cpm)

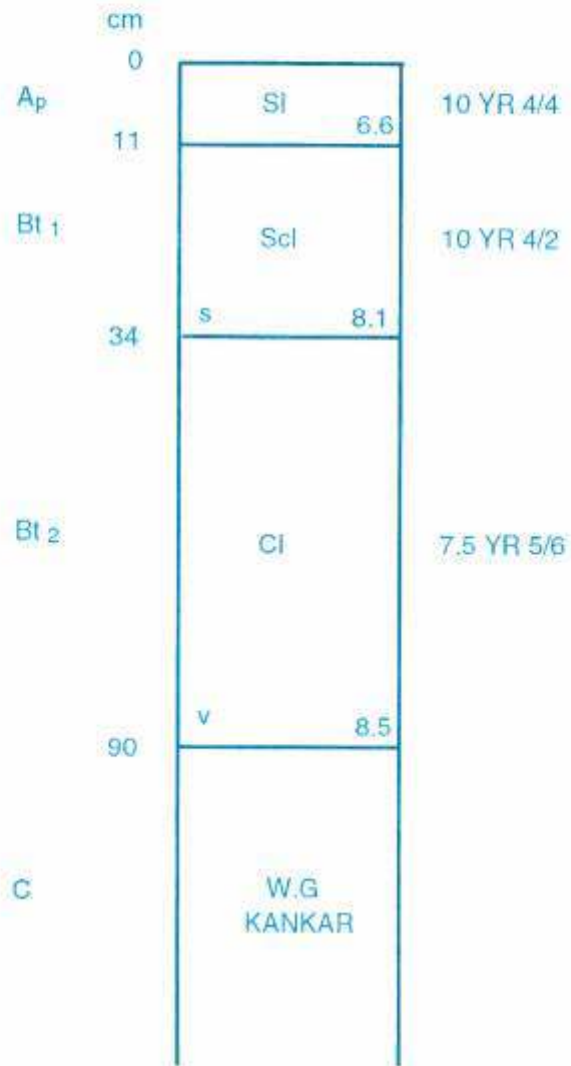
Location : Ambokam, Uthiramerur taluk
Physiography : Gently sloping
Topography : Plain
Drainage : Moderately drained
Parent material : Weathered Gneiss & Kankar stones

HORIZON

DESCRIPTION

Ap	0 - 11 cm; dark yellowish brown (10 YR 4/4 M); sandy loam hard (dry) friable (moist); many fine and medium roots common fine pores; moderately rapid permeability; clear smooth boundary; pH 6.6.
Bt ₁	11 - 34 cm; dark grayish brown (10 YR 4/2 M); sandy clay loam, hard (dry) slightly firm (moist); clay films on the ped faces; many fine roots; common medium pores; moderately permeability; clear wavy boundary; pH 8.1.
Bt ₂	34 - 90 cm; dark brown (7.5 YR 5/6 M); clay loam; hard (dry) very firm (moist) sticky and plastic (wet); violent effervescence thick, patchy cutouts; very fine roots common fine pores; slow permeability; diffused wavy boundary; pH 8.5.

CHICKARASAMPALAYAM SERIES (Cpm)



Soil Taxonomy : Fine, loamy, very deep, calcareous, mixed, hyperthermic
Udic Haplustalfs

VALLAM SERIES (VIm)

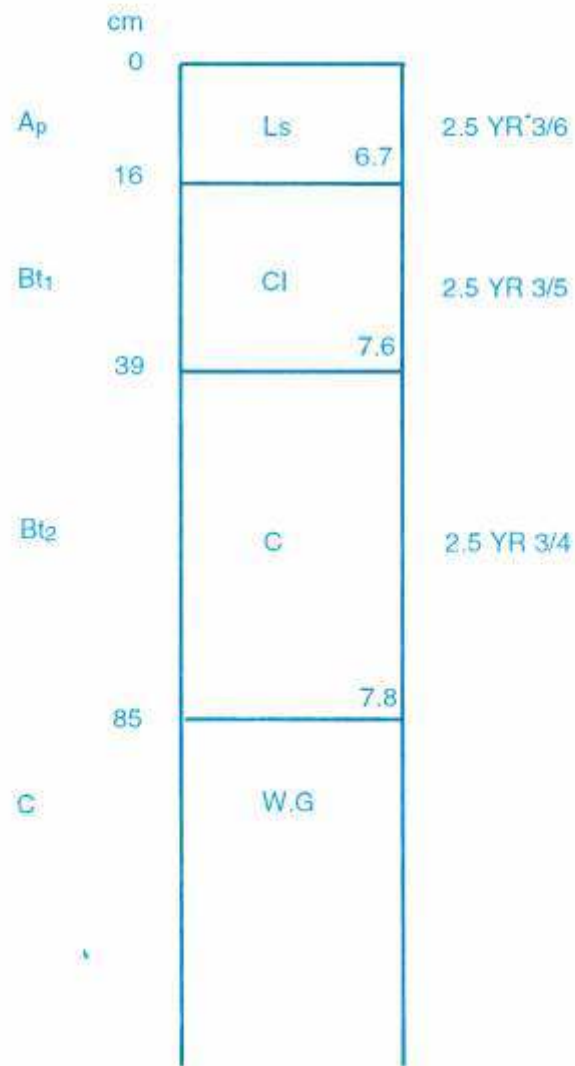
Location : Amayappanallur village, Uthiramerur taluk
Physiography : Sloping
Topography : Undulating
Drainage : Well drained
Parent material : Weathered Gneiss

HORIZON

DESCRIPTION

A _p	0 - 16 cm; dark red (2.5 YR 3/6 M); loamy sand; weak, friable (moist) many fine roots; common medium pores; rapid permeability; clear smooth boundary; pH 6.7.
Bt ₁	16 - 39 cm; dark reddish brown (2.5 YR 3/5 M); clay loam; firm (moist) slightly plastic and slightly sticky (wet); thin patchy clay films; few fine roots, slow permeability; clear smooth boundary; pH 7.6.
Bt ₂	39 - 85 cm; dark reddish brown (2.5 YR 3/4 M); clay; moderate coarse subangular blocky; firm (moist); sticky and plastic (wet); thin patchy clay films; slow permeability; clear smooth boundary; pH 7.8.

VALLAM SERIES (VIm)



Soil Taxonomy : Fine, loamy, skeletal, deep, mixed, non-calcareous, Isohyperthermic
Typic Rhodustalfs

KURUMBALUR SERIES (Kbr)

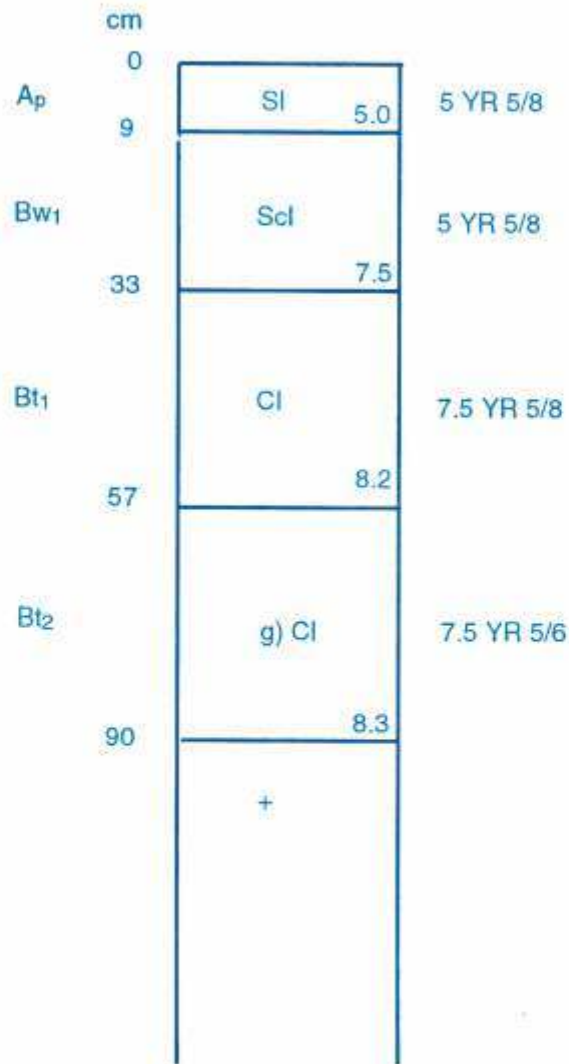
Location : Paranthur, Kancheepuram taluk
Physiography : Gently sloping
Topography : Plain
Drainage : Moderately Drainage
Parent material : Weathered Gneiss

HORIZON

DESCRIPTION

A _p	0 - 9 cm; yellowish red (5 YR 5/8 M); sandy loam; massive; loose (dry); friable (moist); common fine roots, common fine pores, rapid permeability; clear smooth boundary; pH 5.0.
Bw ₁	9 - 33 cm; yellowish red (5 YR 5/8 M); sandy clay loam; hard (dry); friable (moist); patchy clay films on the ped faces, few fine roots; common, fine pores; moderately rapid permeability; diffused smooth boundary; pH 5.6.
Bt ₁	33 - 57 cm; strong brown (7.5 YR 5/8 M); clay loam; hard (dry); firm (moist); sticky and plastic; continuous clay films on the ped faces; few, fine, roots; common, fine pores, slow permeability; clear smooth boundary; pH 8.2.
Bt ₂	57 - 90 ⁺ , strong brown (7.5 YR 5/6 M); gravelly clay loam; slightly hard (dry); slightly firm (moist); thin patchy, clay films on the ped faces; very few, fine roots; many fine pores; smooth boundary; pH 8.3.

KURUMBALUR SERIES (Kbr)



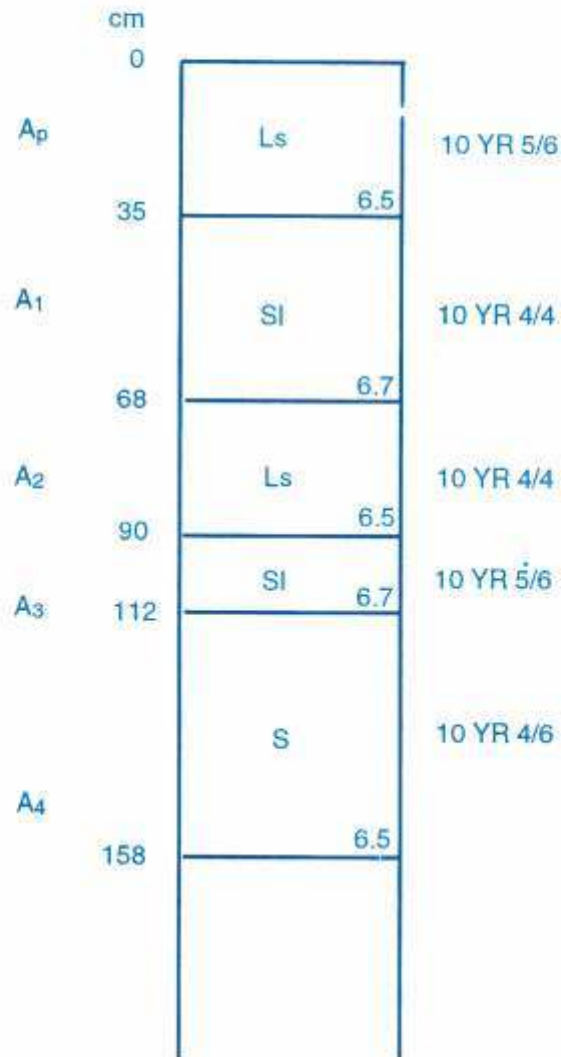
Soil Taxonomy : Fine, loamy, very deep, mixed hyperthermic
Typic Haplustalfs

PALLIPALAYAM SERIES (Ppm)

Location : Damal village, Kancheepuram taluk
Physiography : Sloping
Topography : Almost flat
Drainage : Well drained
Parent material : Alluvium

HORIZON	DESCRIPTION
A _p	0 - 35 cm; yellowish brown (10 YR 5/6); loamy sand, loose, friable (moist), common roots, very rapid permeability, diffused wavy boundary; pH 6.5
A ₁	35 - 68 cm; yellowish brown (10YR 4/4); sandy loam; massive; friable (moist); many coarse roots, few fine pores; rapid permeability; clear wavy boundary pH 6.7
A ₂	68 - 90 cm; dark yellowish brown (10 YR 4/4); loamy sand; loose friable (moist); few fine roots many fine pores, rapid permeability; diffused wavy boundary; pH 6.5.
A ₃	90 - 112 cm; yellowish brown (10 YR 5/6); sandy loam; massive, friable (moist); few fine roots; many fine pores, rapid permeability; clear smooth boundary; pH 6.7.
A ₄	112 - 158 ⁺ dark yellowish brown (10 YR 4/4); sand loose; friable (moist); common coarse pores, rapid permeability; diffused wavy boundary; pH 6.5

PALLIPALAYAM SERIES (Ppm)



Soil Taxonomy : Sand, very deep, non-calcareous, Isohyperthermic
Typic Ustifluents

LAND CAPABILITY

Area	Land Capability classification	Soil series	Limitation	Needs
99,087	II es	Vallam, Mangalathupatty	Erosion surface run off	Soil conservation
50,292	II ws	Arasanatham, Suramangalam	Soil moisture alkalinity	Improving drainage Selection of crops, soil reclamation
41,840	II s	Kurumbalur, Vadamadurai, Chickarasampalayam	Moderately alkalinity soil crust poor fertility	Improving drainage selection of crops
32,952	II s	Ammapet	Heavy texture, poor drainage, cracks	Improving drainage selection of crops
59,783	III s	Somanthapuram, Mangadu, Mahabalipuram	Poor surface texture, soil fragments, Soil gravelliness	Soil texture development selection of crops
42,387	III es	Vanapatti, Pallipalayam	Surface run off erosion topography shallow depth	Soil conservation reclamation selection of crops

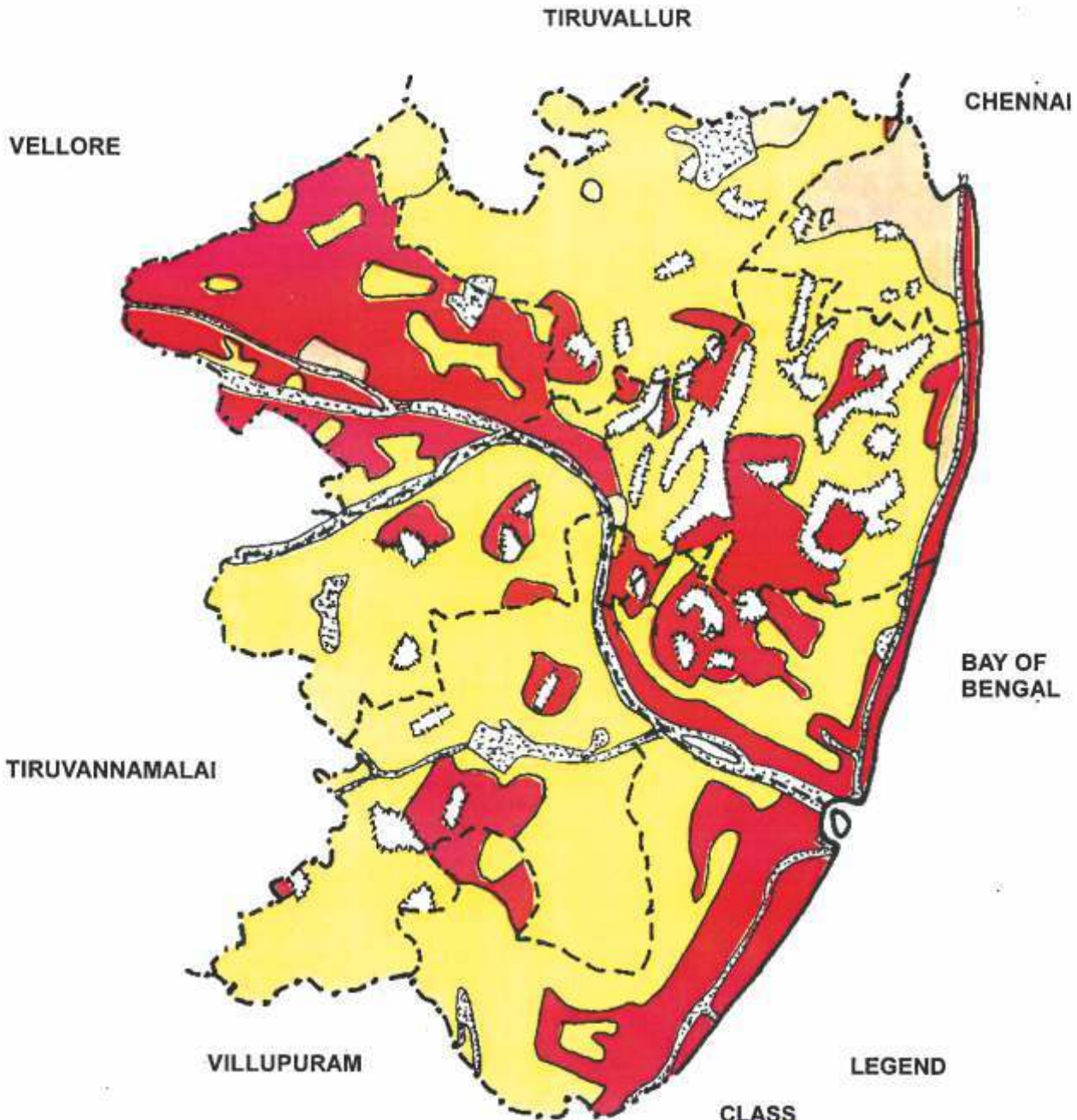
Class

- II** Good cultivable lands that have moderate limitations for sustained use under agriculture
- III** Moderately good cultivable lands that have severe limitations for sustained use under agriculture






Sub Class

- e** - Erosion and run off
- w** - Excess water
- s** - Root zone limitation

LAND CAPABILITY KANCHEEPURAM DISTRICT






REFERENCE

- District boundary 
- Taluk boundary 
- Rivers 
- Tank 
- Forest boundary 

LEGEND

CLASS

-  GOOD CULTIVABLE LANDS
-  MODERATELY GOOD CULTIVABLE LANDS
-  MISCELLANEOUS LAND TYPE

SUB CLASS

- e - EROSION & RUNOFF
- w - EXCESS WATER
- r - ROOT ZONE LIMITATION

LAND IRRIGABILITY

Area (ha)	Irrigability classification	Soil series	Limitation
1,17,192	2 st	Vallam Somanthapuram Mangalathupatti	Erosion topography moderately run off
50,292	2 s	Suramangalam Arasanatham	Moderately alkalinity poor water retentivity
74,792	2 sd	Ammapet Kurumbalur Vadamadurai Chickarasampalayam	Floods stratification alkalinity impeded drainage
41,678	3 s	Mangadu Mahabalipuram	Poor surface texture low water holding capacity soil gravelliness soil fragments
42,387	3 st	Pallipalayam Vanapatti	Topography Erosion poor water retentivity high run off

Class

- 2 -** Lands that have moderate limitation for sustained use under irrigation
- 3 -** Lands that have severe limitation for sustained use under irrigation

Sub class

- s** - Soil problem
- t** - Topography
- d** - Drainage



LAND IRRIGABILITY

KANCHEEPURAM DISTRICT

TIRUVALLUR

CHENNAI






VELLORE

BAY OF BENGAL

TIRUVANNAMALAI




VILLUPURAM

REFERENCE

- District boundary 
- Taluk boundary 
- Rivers 
- Tank 
- Forest boundary 

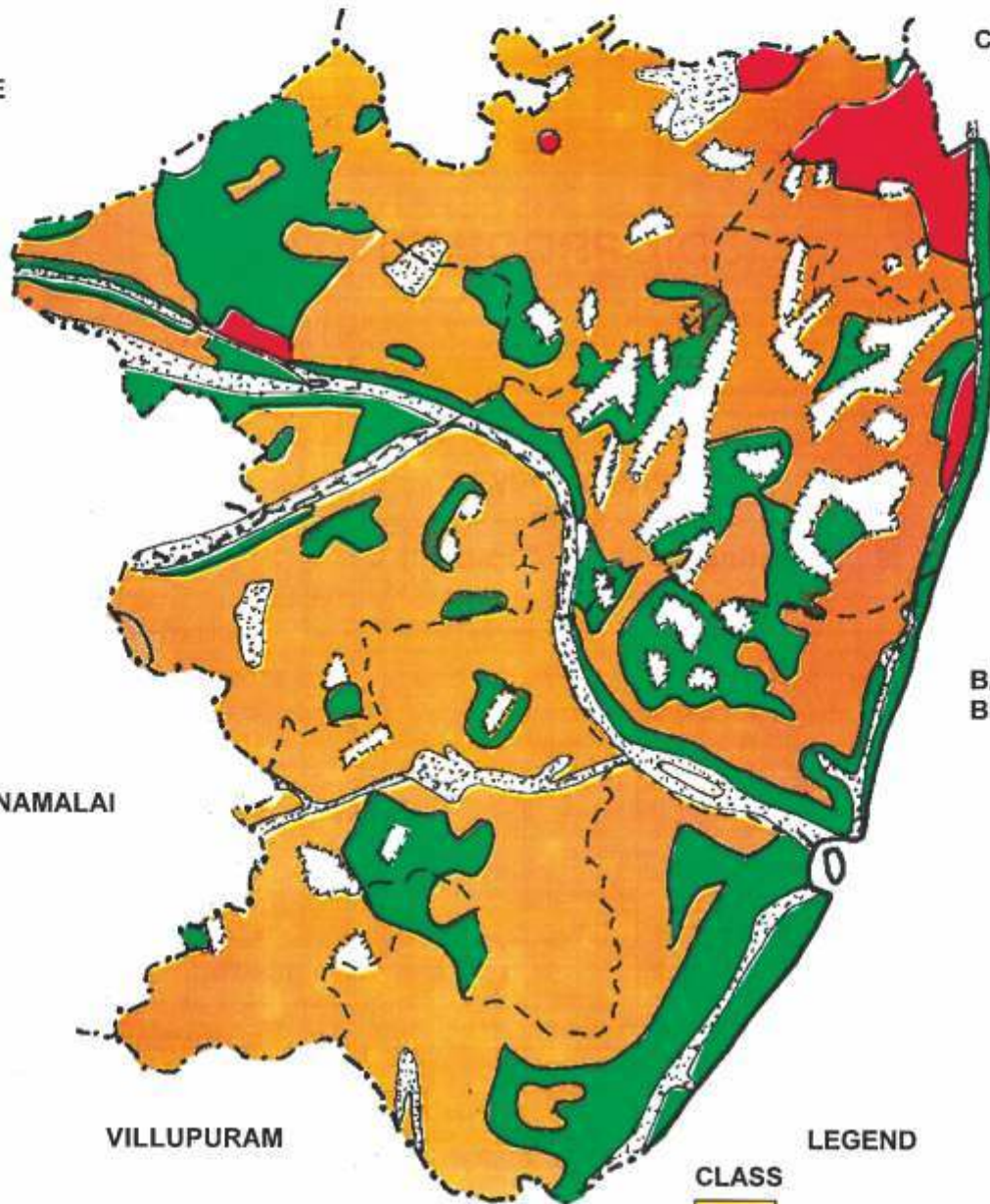
LEGEND

CLASS

-  MODERATE LIMITATION
-  SEVERE LIMITATION
-  MISCELLANEOUS LAND TYPE

SUB CLASS

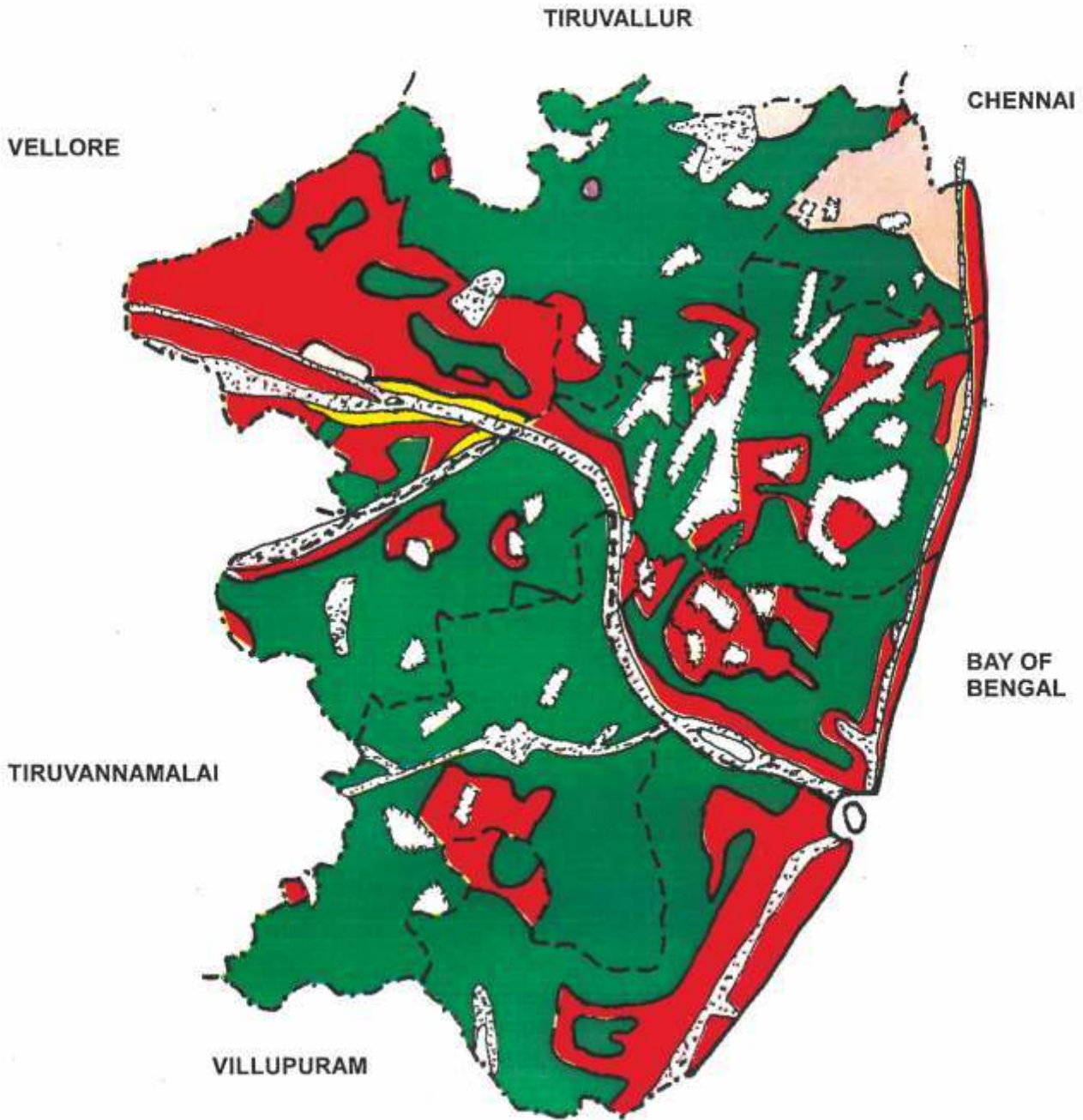
- s - SOIL LIMITATION
- t - TOPOGRAPHY
- d - DRAINAGE








SOIL PRODUCTIVITY

Area	Productivity		Soil series
	Rating	Grouping	
1,920	0 - 7	Extremely poor	Pallipalayam
1,00,250	8 - 19	Poor	Vanapatti Mahabalipuram Mangadu Somanthapuram
2,24,171	20 - 34	Average	Mangalathupatti Arasanatham Suramangalam Kurumbalur Vadamadurai Chickarasampalayam Vallam Ammapet

SOIL PRODUCTIVITY KANCHEEPURAM DISTRICT



REFERENCE

- District boundary 
- Taluk boundary 
- Rivers 
- Tank 
- Forest boundary 

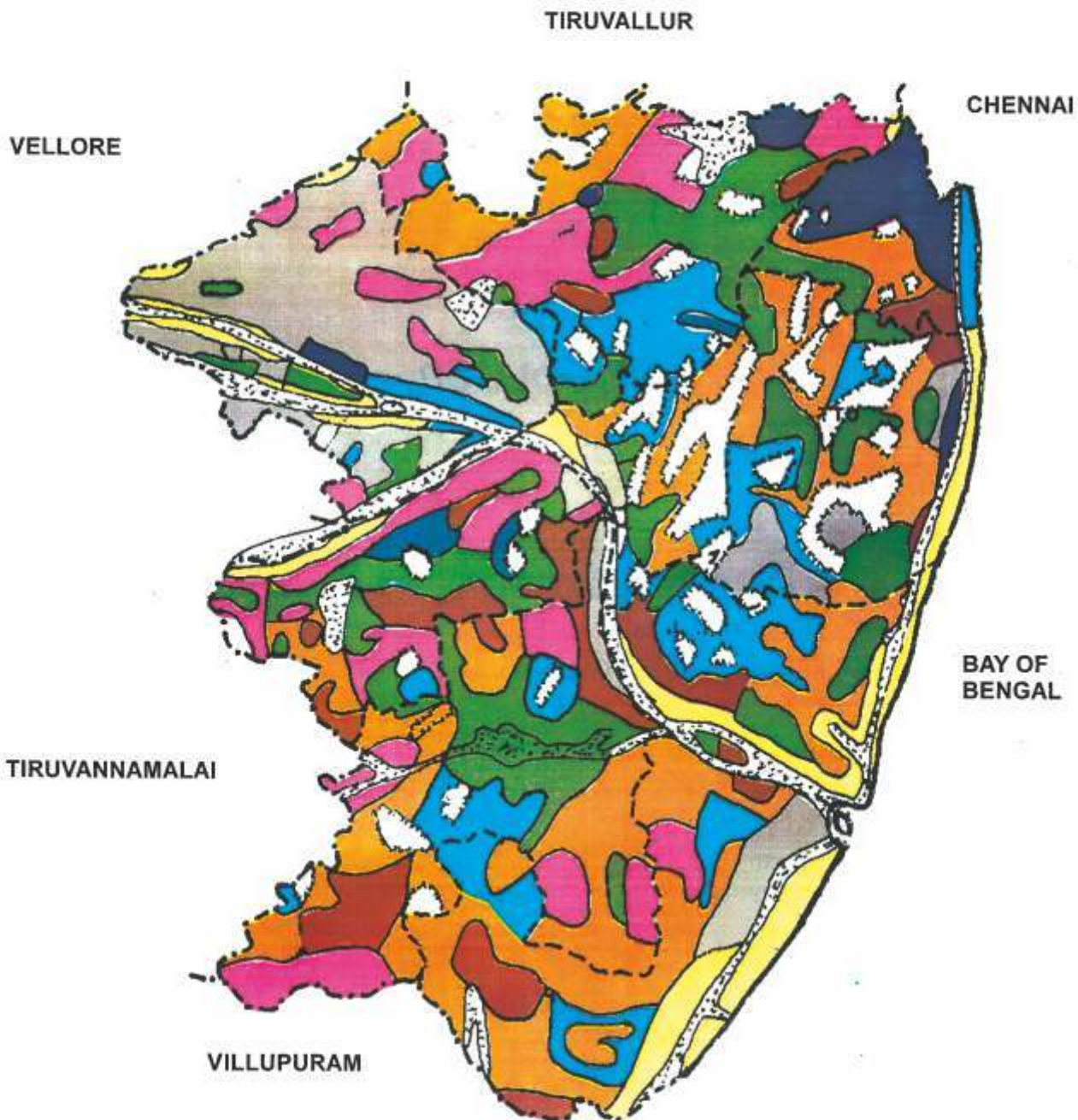
LEGEND

- | CLASS | |
|---|-------------------------|
|  | AVERAGE |
|  | POOR |
|  | EXTREMELY POOR |
|  | MISCELLANEOUS LAND TYPE |






GROPS GROWN

Map symbol	Soil series	Crops Grown	
		Rainfall	Irrigated
1.	Pallipalayam Vanapatti	Groundnut Milletes Pulses	Coconut Milletes, Pulses Vegetables
2.	Mahabalipuram	Groundnut Casuarina	Coconut Cashew Paddy
3.	Mangadu Samanthapuram	Groundnut Pulses Millets	Paddy Vegetables Gingelly Ragi
4.	Vallam Mangalathupattu	Groundnut Millets Pulses	Paddy Ragi Sugarcane Gingelly
5.	Suramangalam Arasanatham	Groundnut Millets Sunflower	Paddy Ragi Sugarcane Sunflower Vegetables
6.	Kurumbalur Vadamadurai Chickarassampalayam	Groundnut Millets Sunflower	Paddy Sugarcane Ragi Chillies Vegetbales
7.	Ammamet	Groundnut Sunflower	PaddynChillies Sugarcane

CROPS GROWN KANCHEEPURAM DISTRICT



REFERENCE

- District boundary 
- Taluk boundary 
- Rivers 
- Tank 
- Forest boundary 

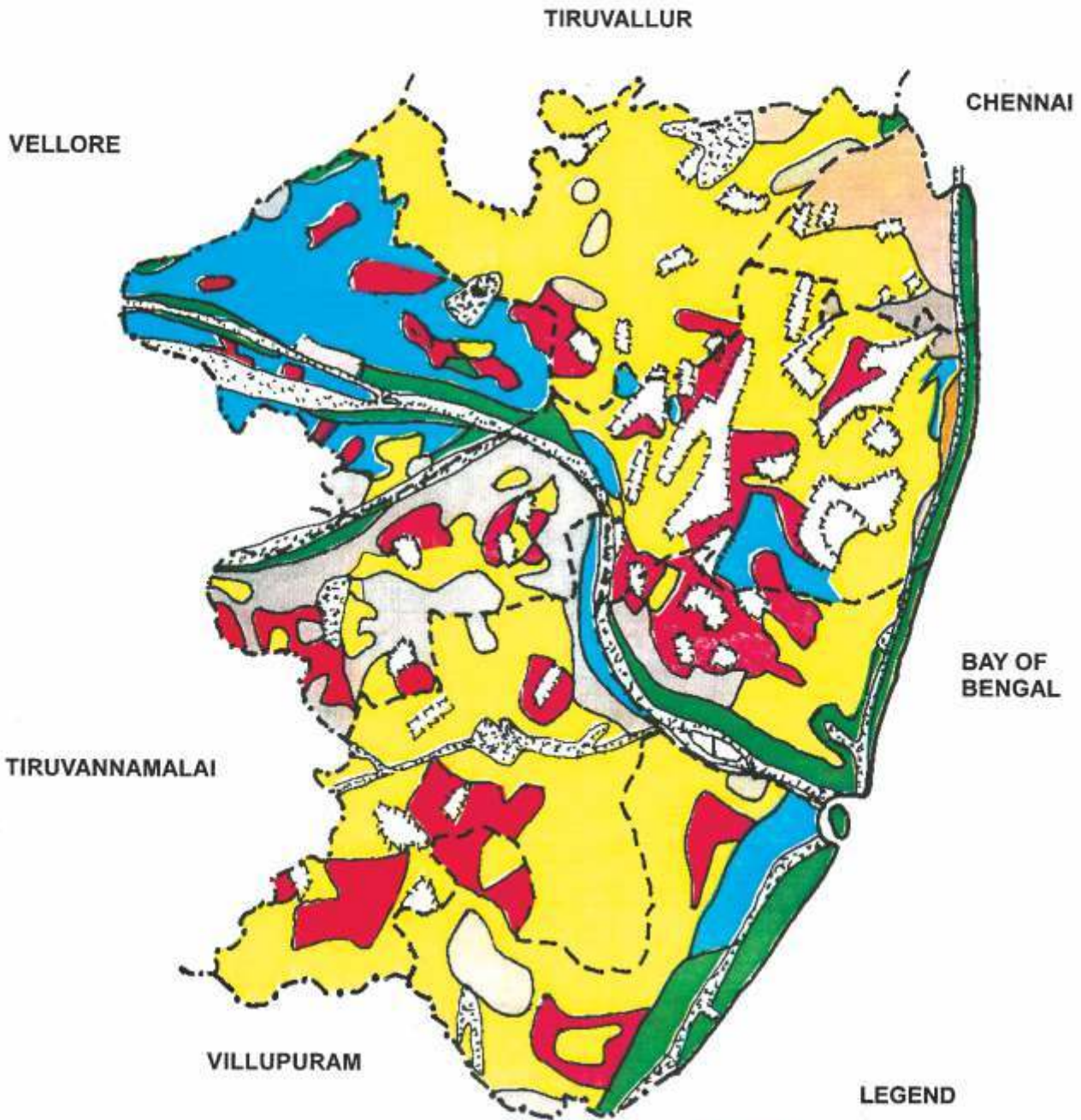
LEGEND

- | | | | |
|---|---|--|-------------------------|
|  | 1 |  | 5 |
|  | 2 |  | 6 |
|  | 3 |  | 7 |
|  | 4 |  | MISCELLANEOUS LAND TYPE |

SOIL COLOUR

Red soil	Brown soil	Mixed soil	Black soil	Alluvial soil
Vallam	Arasanatham	Samanthapuram	Ammapet	Pallipalayam
Kurumbalur	Suramangalam	Mangadu	Chickarasam palayam	Mahabalipuram
Vanapatti	Vadamadurai Mangalathupattu	—	—	—
Area (ha) 46,682	1,75,254	43,314	42,702	18,389

SOIL COLOUR KANCHEEPURAM DISTRICT



REFERENCE

District boundary	-----
Taluk boundary	-----
Rivers	
Tank	
Forest boundary	-----

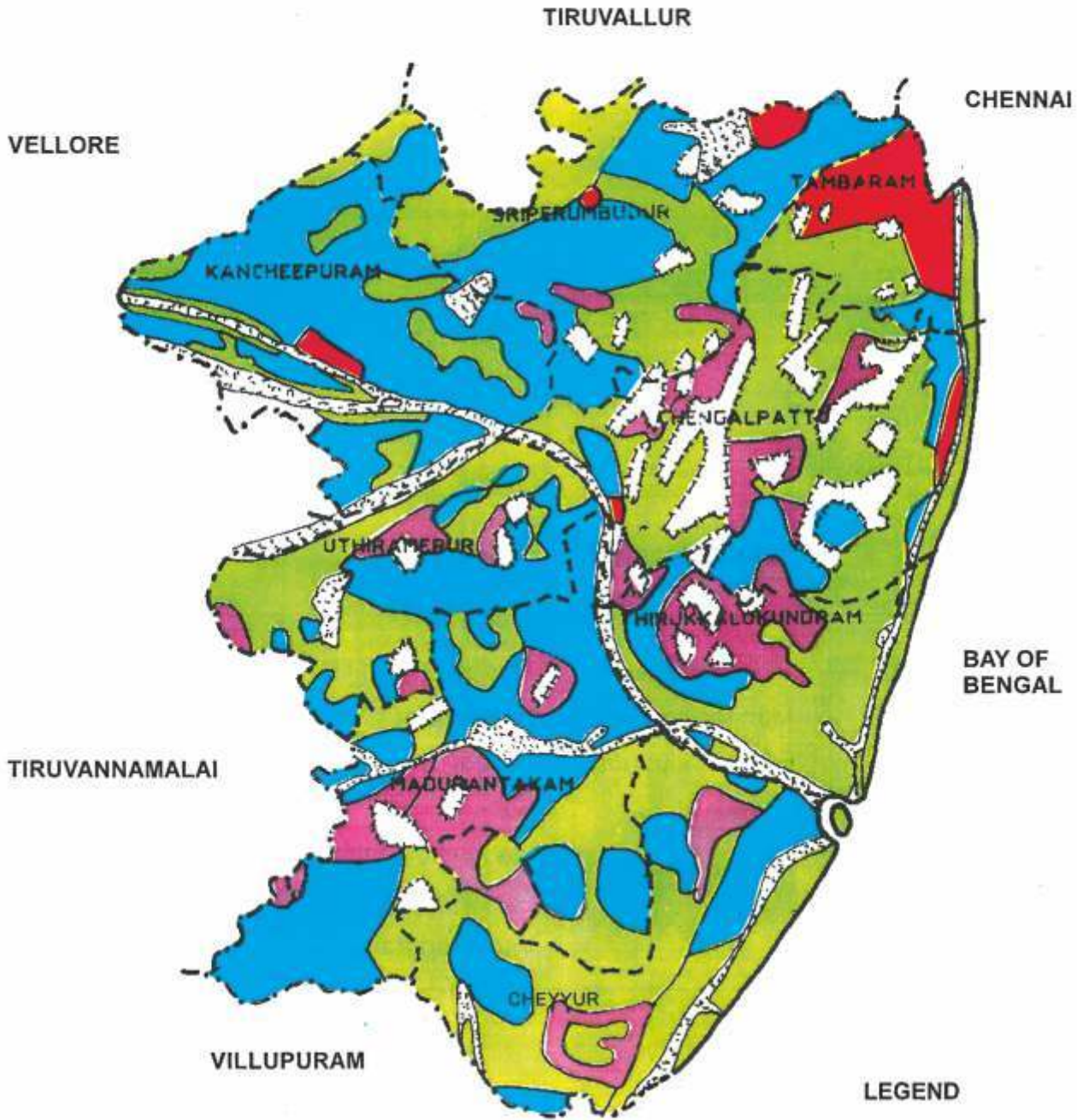
LEGEND

	RED SOIL
	BROWN SOIL
	BLACK SOIL
	MIXED SOIL
	ALLUVIAL SOIL
	MISCELLANEOUS LAND TYPE






DEPTH

Moderately deep (26 - 50 cm)	Deep (51 - 100 cm)	Very deep (Above 100 cm)
Vannapatti	Mahabalipuram Kurukmbalur Vallam Suramangalam Chickarasampalayam Magalathupattu	Mangadu Ammamet Samanthapuram Arasanatham Vadumadurai Pallipalayam
Area (ha) 40,467	1,52,979	1,32,895





DEPTH KANCHEEPURAM DISTRICT



REFERENCE

- District boundary 
- Taluk boundary 
- Rivers 
- Tank 
- Forest boundary 

LEGEND

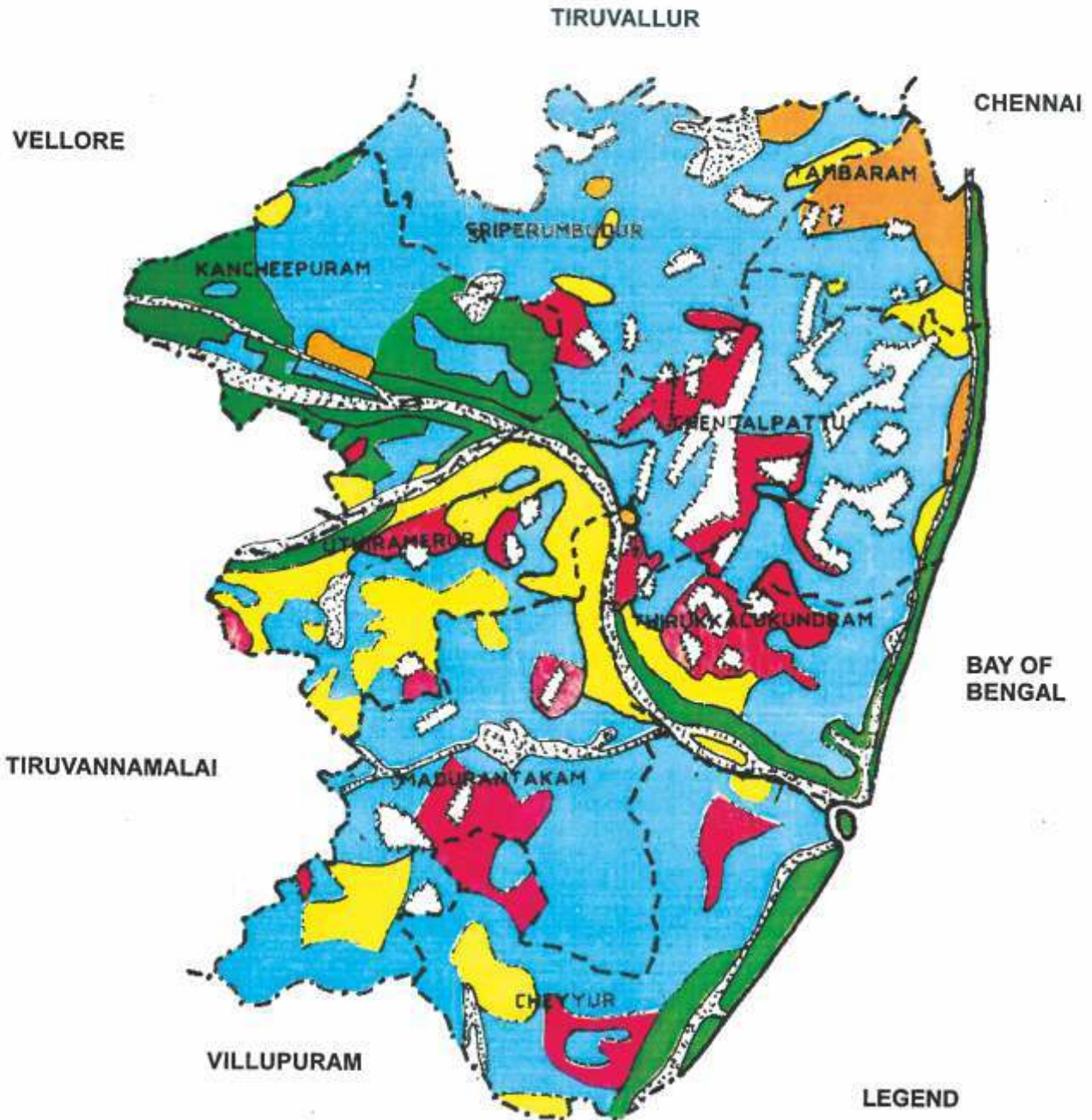
-  MODERATELY DEEP
-  DEEP
-  VERY DEEP
-  MISCELLANEOUS LAND TYPE

TEXTURE

Loamy skeletal	Coarse loamy	Fine loamy	Fine
Vannapatti	Pallipalayam Mahabalipuram Samanthapuram	Mangadu Kurumbalur Vallam Suramangalam Mangalathupattu Arasanatham Vadumadurai	Ammamet Chickarasampalayam
Area (ha) 40,467	36,494	2,06,678	42,702



TEXTURE KANCHEEPURAM DISTRICT



REFERENCE

District boundary	-----
Taluk boundary	- - - - -
Rivers	
Tank	
Forest boundary	-----

LEGEND

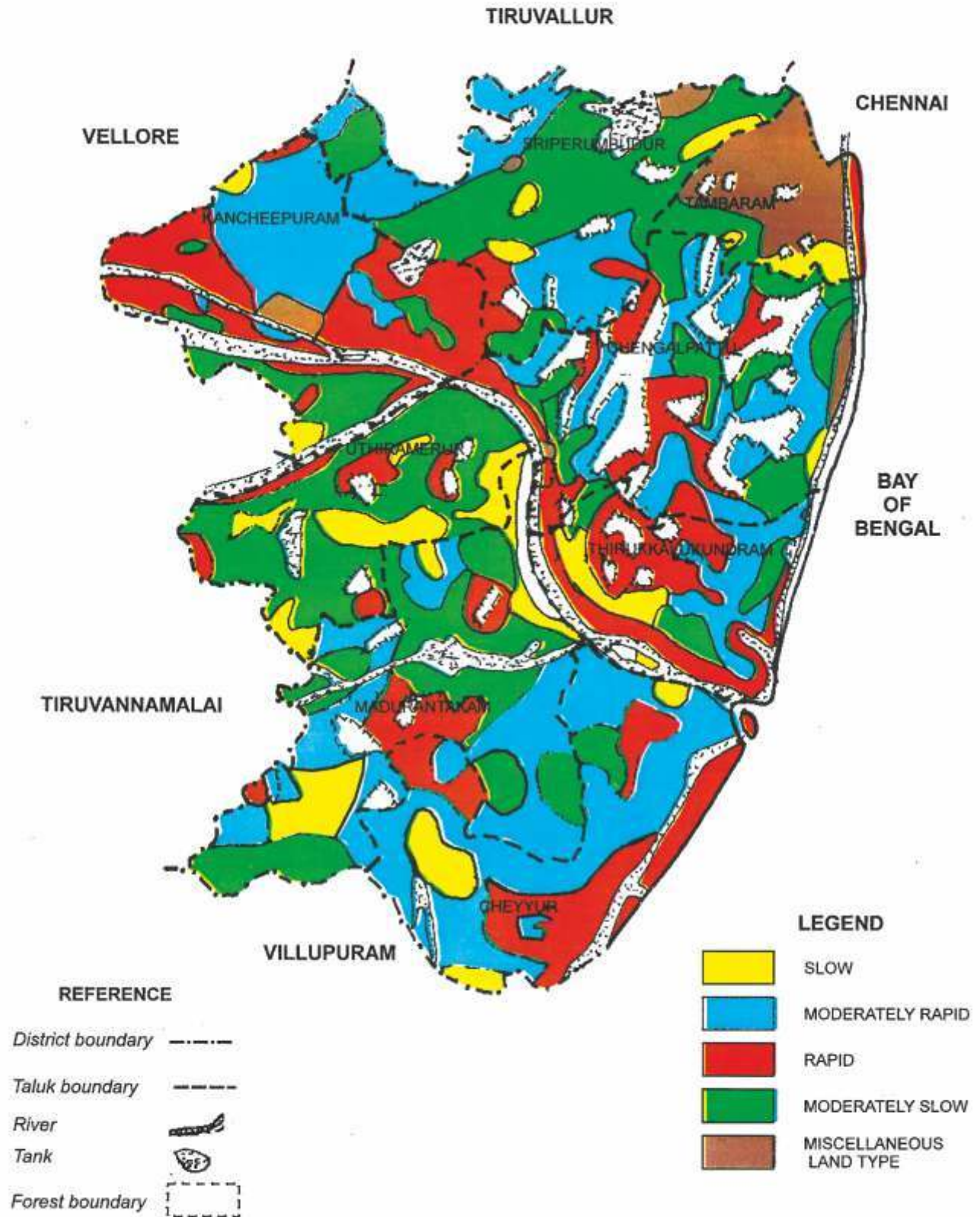
	LOAMY SKELETAL
	COARSE LOAMY
	FINE LOAMY
	FINE
	MISCELLANEOUS LAND TYPE

PERMEABILITY

Slow	Moderately slow	Moderately rapid	Rapid
Ammapet	Chickarasampalayam Suramangalam Arasanatham Vadamadurai Vallam	Mangadu Mangalathupattu Kurumbalur	Vanapatti Pallipalayam Samanthapuram Mahabalipuram
Area (ha) 32,952	93,377	1,23,051	76,961



PERMEABILITY KANCHEEPURAM DISTRICT



WATER HOLDING CAPACITY

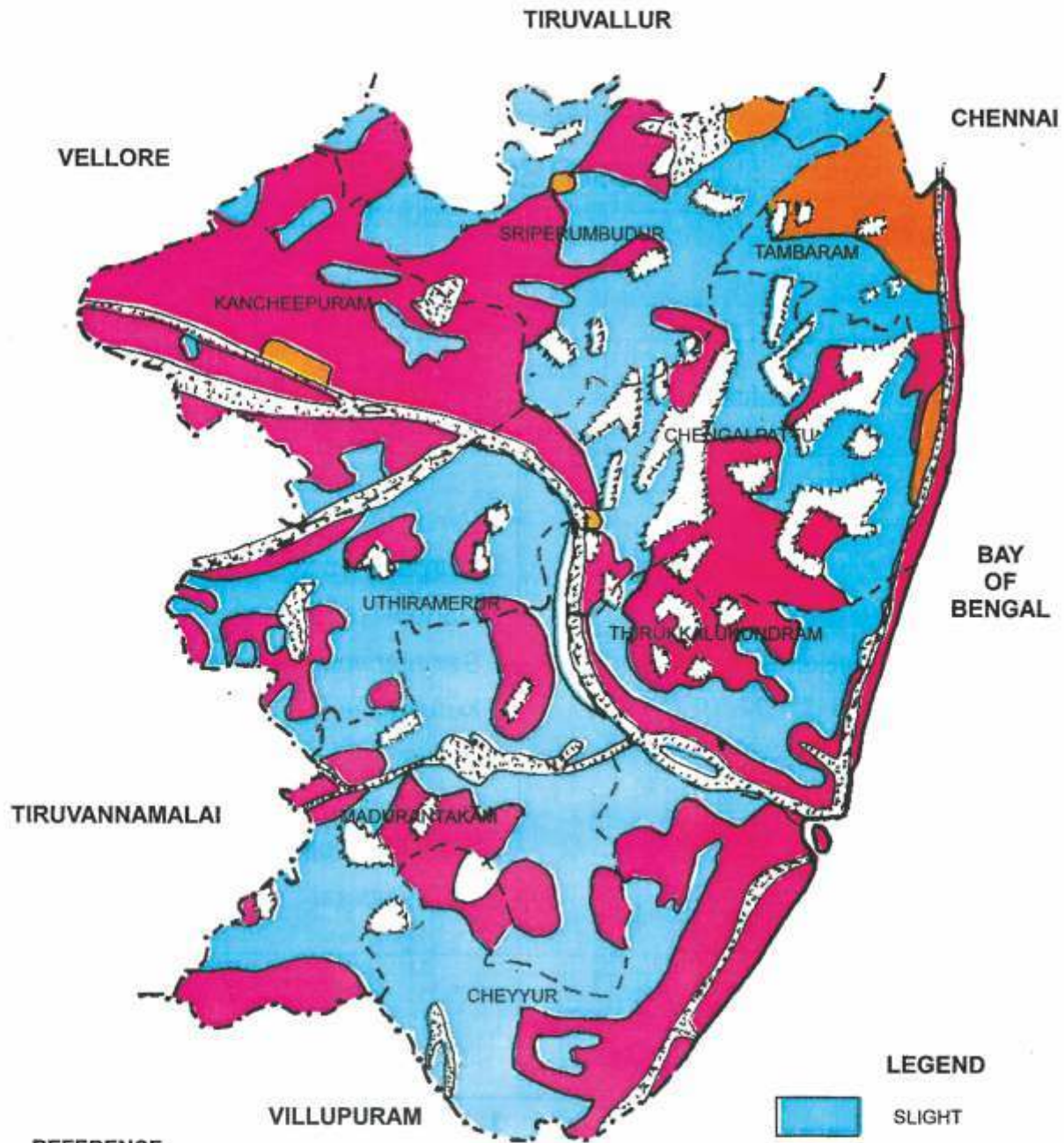
Low (0 - 20%)	Very low (21 - 50%)	High (Above 50%)
Mahabalipuram	Chickarasampalayam	Ammapettai
Pallipalayam	Mangadu	Saramangalam
Samanthapuram	Mangalathupattu	
Vannapatti	Arasanatham	
	Kurumbalur	
	Vadamadurai	
	Vallam	
Area (ha)		

EROSION






Slight	Moderate
Suramangalam Arasanatham Chickarasampalayam Kurumbalur Mangalathupattu Ammamet	Vanapatti Pallipalayam Mahabalipuram Samanthapuram Vallam Vadamadurai Mangadu
Area (ha) 1,90,836	1,35,505



EROSION KANCHEEPURAM DISTRICT



REFERENCE

- District boundary 
- Taluk boundary 
- River 
- Tank 
- Forest boundary 

LEGEND

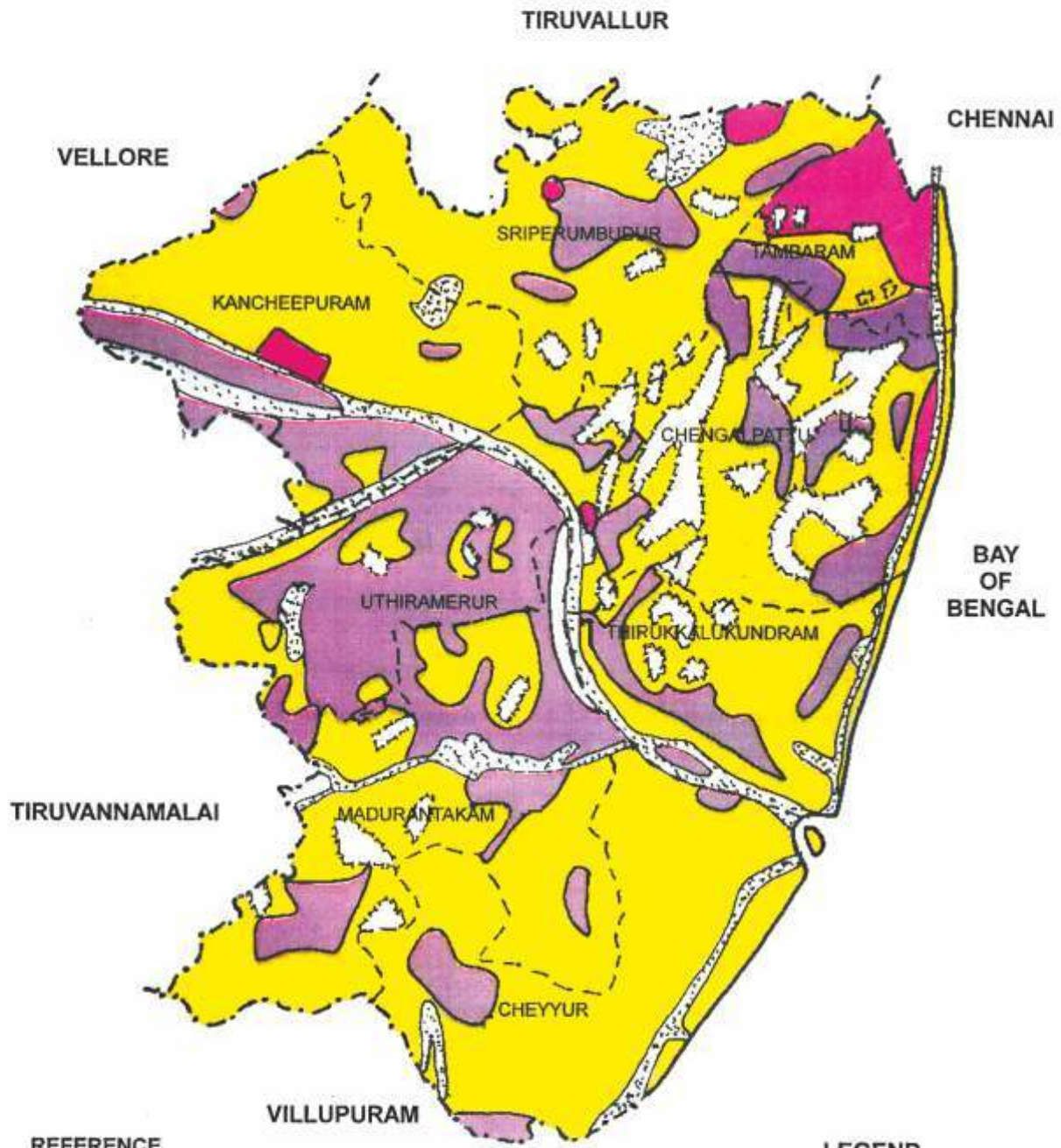
-  SLIGHT
-  MODERATE
-  MISCELLANEOUS LAND TYPE

CALCAREOUSNESS

Calcareous	Non calcareous
Ammapet Arasanatham Suramangalam Chickarasampalayam	Vanapatti Pallipalayam Mahabalipuram Samanthapuram Kurumbalur Vallam Mangadu Mangalathupattu Vadamadurai
Area (ha) 92,994	2,33,347



CALCAREOUSNESS KANCHEEPURAM DISTRICT



REFERENCE

- District boundary - - - - -
- Taluk boundary -
- River
- Tank
- Forest boundary

LEGEND

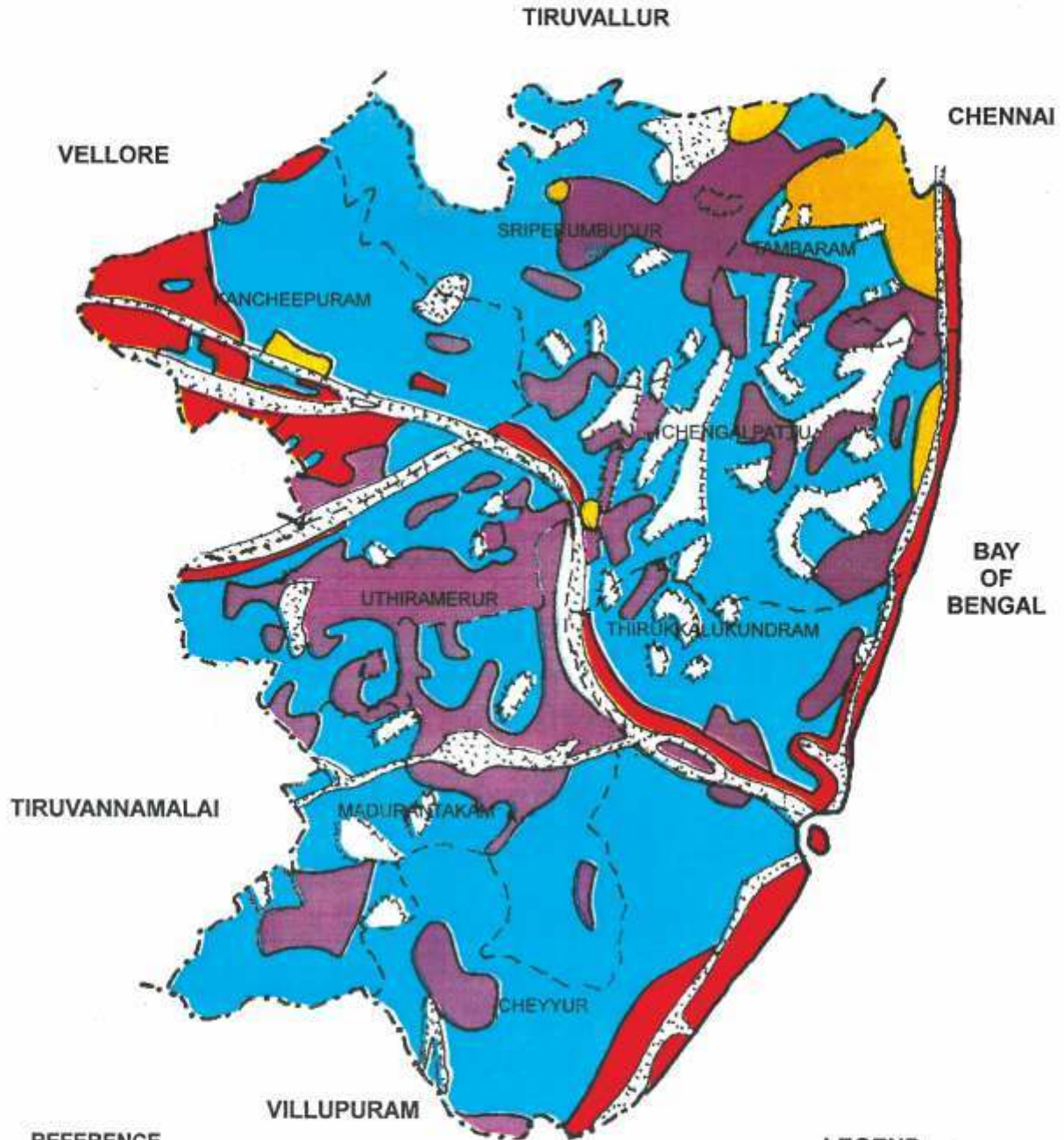
- CALCAREOUSNESS
- NON - CALCAREOUSNESS
- MISCELLANEOUS LAND TYPE

SALINITY

Mildly saline	Moderately saline
Samanthapuram Mahabalipuram	Suramangalam Arasanatham Ammapet
Area (ha) 34,574	83,244



SALINITY KANCHEEPURAM DISTRICT



REFERENCE

- District boundary
- Taluk boundary
- River
- Tank
- Forest boundary

LEGEND

- MILDLY SALINE
- MODERATELY SALINE
- NON - SALINE
- MISCELLANEOUS LAND TYPE

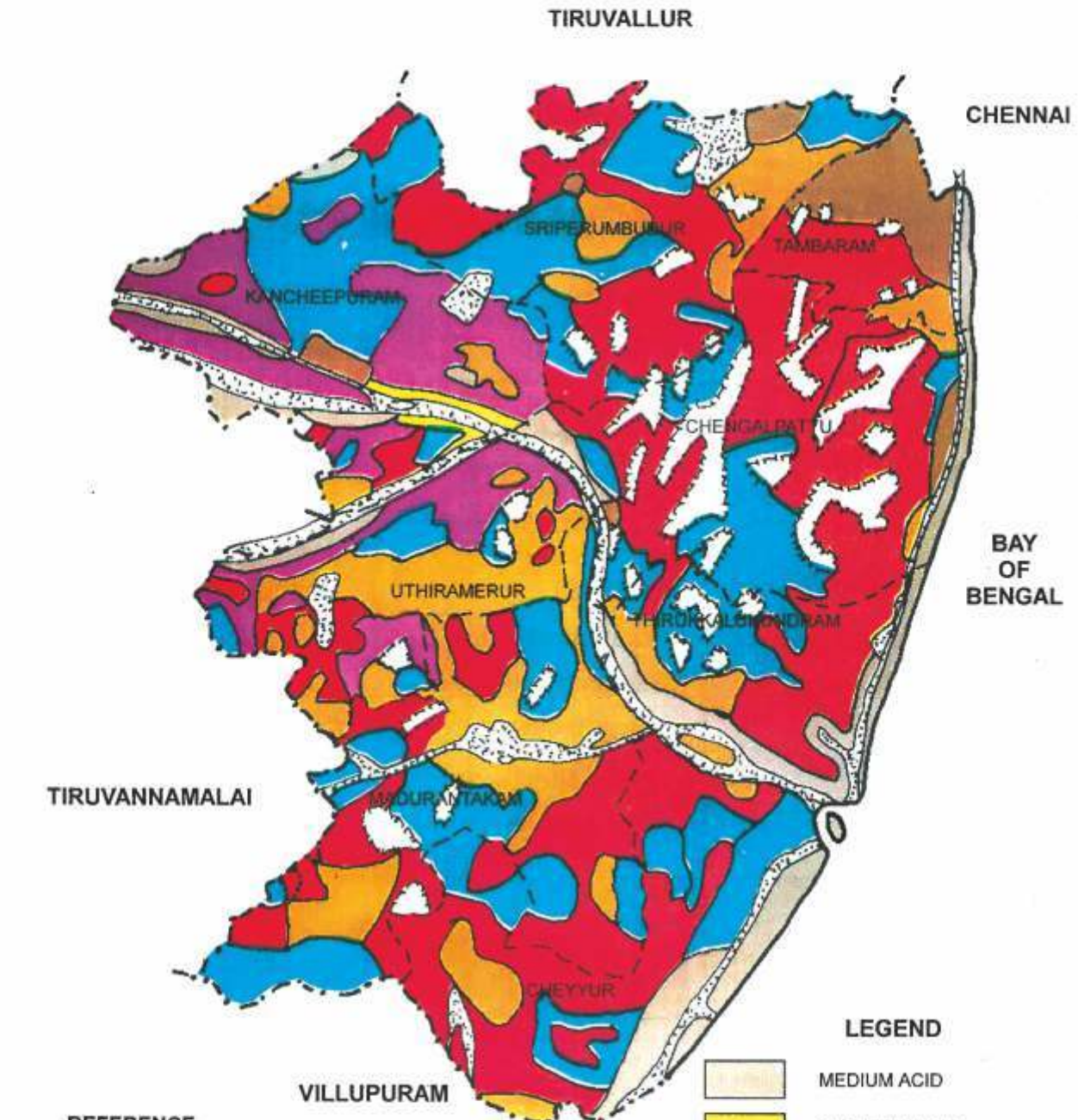
SOIL REACTION




Medium acid pH 5.6 - 6.0	Slightly acid 6.1 6.5	Neutral 6.6 - 7.3	Mildly alkaline 7.4 - 7.8	Moderately alkaline 7.9 - 8.4	Strongly alkaline 8.5 - 9.0
Mahabali puram	Pallipalayam	Vannapatti Mangadu Vadamadurai	Vallam Suramangalam Mangalathupattu	Kurumbalur Samanthapuram Chickarasam palayam	Ammamet Arasanatham
Area (ha) 16,469	1,920	95,281	1,24,275	30,340	58,056










SOIL REACTION

KANCHEEPURAM DISTRICT



- REFERENCE**
- District boundary - - - - -
 - Taluk boundary - - - - -
 - River 
 - Tank 
 - Forest boundary 

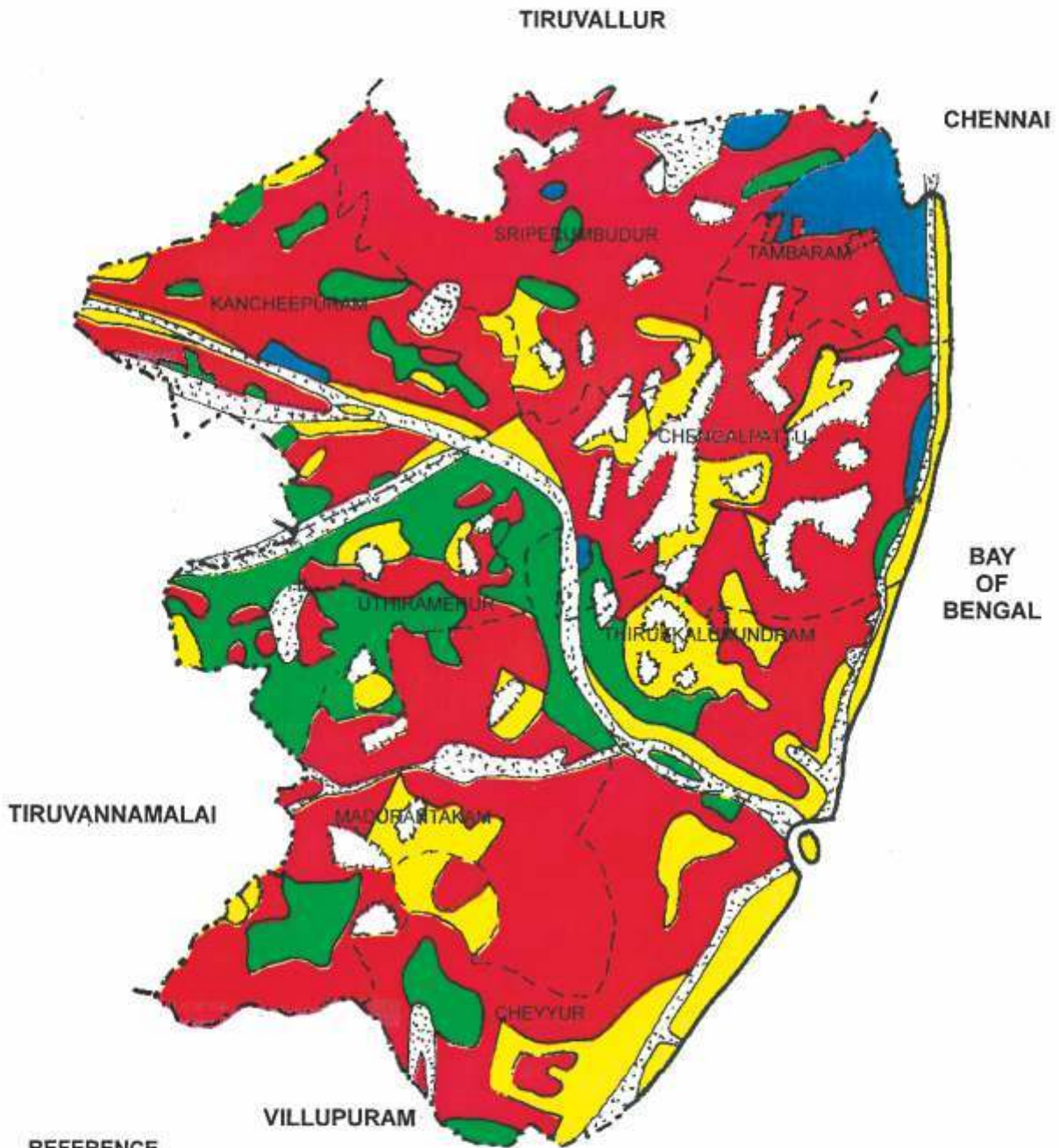
- LEGEND**
-  MEDIUM ACID
 -  SLIGHTLY ACID
 -  NEUTRAL
 -  MIDLY ALKALINE
 -  MODERATLY ALKALINE
 -  STRONGLY ALKALINE
 -  MISCELLENEOUS LAND TYPE

CATION EXCHANGE CAPACITY






Low (less than 10 meq)	Medium (11 - 25 meq)	High (Above 25 meq)
Vanapatti Pallipalayam Mahabalipuram	Mangadu Suramangalam Samanthapuram Mangalathupattu Arasanatham Vadamadurai	Ammamet Kurumbalur Vallam Chickarasampalayam
Area (ha) 58,856	2,18,568	48,917







CATION EXCHANGE CAPACITY KANCHEEPURAM DISTRICT



REFERENCE

- District boundary 
- Taluk boundary 
- River 
- Tank 
- Forest boundary 

LEGEND

-  LOW
-  MEDIUM
-  HIGH
-  MISCELLANEOUS LAND TYPE

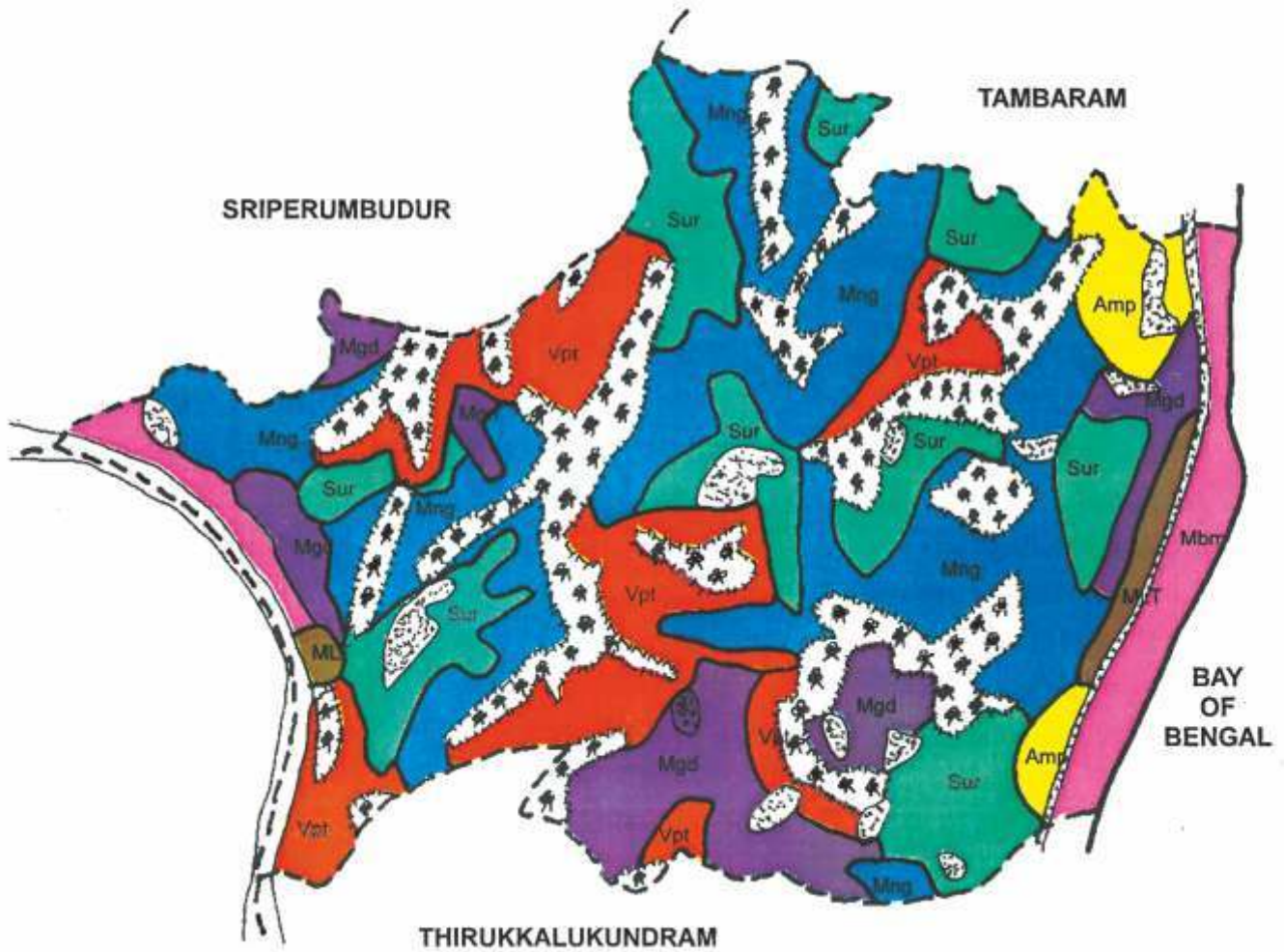
SOILS

CHENGALPATTU TALUK





Soil series	Symbol	Extent	
		ha	%
1. Mangalathupattu	Mng	19,356	25.05
2. Suramangalam	Sur	11,884	15.37
3. Mangadu	Mgd	8,662	11.21
4. Vanapatti	Vpt	6,867	8.89
5. Mahabalipuram	Mbm	3,880	5.03
6. Ammapet	Amp	699	0.90
7. Miscellaneous land type	MLT	7,933	10.26
8. Forest and others	—	18,000	23.30
Total		77,284	100.00



SOILS CHENGALPATTU TALUK



REFERENCE

- Taluk boundary 
- Forest boundary 
- River 
- Tank 

LEGEND

-  Mng MANGALATHUPATTY
-  Mbrn MAHABALIPURAM
-  Sur SURAMANGALAM
-  Mgd MANGADU
-  Vpt VANNAPATTY
-  Amp AMMAPET
-  MLT MISCELLANEOUS LAND TYPE

VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

CHENGALPATTU TALUK

Name of the village	Fertility status (Kg/Ac)			Dominant soil series
	Nitrogen	Phosphorus	Potassium	
(1)	(2)	(3)	(4)	(5)
1. Ammanambakkam	60	15	156	Mng Vpt
2. Alappakkam	74	7	197	Vpt
3. Anjur	68	4	60	Mng Vpt
4. Athur	67	2	69	Mng
5. Arungal	66	4	78	Mng Vpt
6. Balur	61	5	124	Mgd Vpt
7. Banur	63	4	43	Mgd Mbm
8. Chenneri	63	39	96	Mng Amp
9. Dhasarikunnathur	37	6	4	Sur
10. Edaiyankodumanthangal	67	4	59	Mng Mgd
11. Echanganai	67	10	45	Amp Mng
12. Gundoor	61	5	241	Mng Vpt
13. Guruvanmedu	31	1	44	Mng Vpt
14. Irunganvampalli	71	10	42	Mbm
15. Kovilanthangal	64	5	75	Vpt Sur
16. Kunnavakkam	42	10	85	Amp Mng
17. Kulathur	49	2	54	Sur
18. Kongadu	45	4	72	Sur Mgd
19. Kandhalur	50	10	160	Mng Vpt
20. Kayarambedu	64	2	31	Mng Vpt
21. Konadhi	84	8	187	Sur
22. Kattankolathur	44	6	169	Sur
23. Kadambur	77	4	30	Mng Sur
24. Kalivandhapattu	57	11	37	Mng Vpt
25. Karungur	49	2	54	Amp
26. Karukilam	57	6	75	Mng Sur
27. Kondamangalam	141	5	124	Mng Sur
28. Keezakkaranai	60	10	142	Vpt
29. Kilpakkam	35	2	170	Mng Vpt
30. Kolapakkam	80	5	88	Mng Vpt

(1)	(2)	(3)	(4)	(5)
31. Keerapakkam	180	5	108	Mng Vpt
32. Karanaipuducheri	92	7	42	Sur Vpt
33. Kannivakkam	83	10	68	Amp
34. Kumizi	54	15	350	Mng Vpt
35. Kalvoy	56	6	99	Mng Vpt
36. Melmanapakkam	54	4	34	Mbm
37. Mannivakkam	73	7	209	Mng Vpt
38. Murugamangalam	82	4	66	Mng Vpt
39. Melamaiyur	76	5	45	Mng Amp
40. Nandivaram	67	15	52	Sur
41. Nallampakkam	99	6	44	Mng Sur
42. Nedungundram	73	23	103	Mng
43. Ninnagarai	66	4	100	Mbm
44. Natham	47	3	52	Vpt
45. Omalur	79	5	189	Vpt Mng
46. Onamancheri	91	3	114	Mng Vpt
47. Othivakkam	85	3	95	Mng Vpt
48. Pandur	61	5	124	Mng Sur
49. Puthur	63	4	43	Mng
50. Peramanur	61	22	131	Sur Mng
51. Pazangattu	82	8	82	Mng Mgd
52. Paleri	67	8	56	Mgd Sur
53. Potheri	60	13	44	Mgd Mng
54. Pulipakkam	51	8	25	Amp Sur
55. Pattaraivakkam	68	22	59	Sur
56. Porthunthavakkam	65	1	29	Mng Vpt
57. Periaputheri	23	7	74	Mng Vpt
58. Rathinamangalam	68	3	103	Mng Vpt
59. Sendhamangalam	55	2	140	Mng Mgd
60. Sasthirapakkam	63	1	33	Sur
61. Sengundram	73	6	66	Mng Vpt
62. Sathamangalam	56	12	66	Mgd
63. Thirukatchur	65	2	320	Sur Mgd
64. Thenmelpakkam	30	12	160	Amp Sur
65. Thirutheri	70	11	175	Mng Vpt
66. Thailavaram	80	2	58	Sur Vpt
67. Thalimangalam	70	10	65	Sur Vpt
68. Thenur	86	3	77	Sur
69. Thiruvadaiisoolam	53	6	45	Sur Mgd
70. Urapakkam	54	15	92	Sur Vpt

(1)	(2)	(3)	(4)	(5)
71. Vallam	100	5	53	Sur
72. Vembakkam	66	23	163	Sur
73. Veerapuram	55	20	126	Sur
74. Vembakkam	55	3	71	Sur Amp
75. Venkatapuram	59	3	47	Sur Mng
76. Villiampakkam	128	4	100	Mng Mgd
77. Vallancheri	58	12	54	Vpt Mng
78. Vandalur	82	6	214	Sur
79. Vengadamangalam	53	12	82	Mng
80. Vedhanarayanapuram	59	17	45	Vpt Mng
THIRUPORUR BLOCK				
1. Agaram	34	9	37	Mng Vpt
2. Amur	65	8	76	Sur
3. Arungundram	54	6	196	Vpt Mgd
4. Achrapakkam	174	6	182	Vpt Mgd
5. Alathur	63	17	153	Mng Mgd
6. Agaram	34	9	37	Mng Vpt
7. Chinnavippedu	59	19	149	Sur
8. Chinnairumbedu	58	17	109	Vpt Mng
9. Dhatciyavarthi	57	6	4	Vpt Mng
10. Dhasarikuppam	99	3	64	Mgd Mng
11. Edarkundran	61	4	64	Vpt Mng
12. Egattur	59	11	87	Mgd
13. Illalur	52	5	32	Vpt Mng
14. Kanipakkam	180	5	108	Mgd
15. Kunnappattu	62	4	82	Vpt Sur
16. Karanai	59	3	32	Mng Vpt
17. Kalavakkam	42	10	85	Mng Vpt
18. Kannagapattu	62	4	82	Mng Sur
19. Kattur	40	2	39	Mng Vpt
20. Kayar	60	2	39	Vpt Mbm
21. Karumbakkam	196	5	171	Vpt Mng
22. Keezur	50	12	52	Mng Vpt
23. Kottamedu	104	5	157	Mng Vpt
24. Kondangi	77	3	47	Mng Sur
25. Kazipathur	57	11	37	Mng Vpt
26. Kelambakkam	80	5	85	Mng Vpt
27. Kanattur	60	2	39	Vpt Mbm
28. Krishnankaranai	60	10	142	Mgd Mbm
29. Kolathur	49	2	54	Mng Vpt
30. Madiyathur	63	16	160	Mgd Mng

(1)	(2)	(3)	(4)	(5)
31. Mullipakkam	67	12	191	Mgd Sur
32. Maruderi	65	10	22	Mgd Sur
33. Melaiyur	76	5	45	Vpt Sur
34. Mayilai	82	10	69	Vpt Sur
35. Muthukkadu	54	11	93	Mbm
36. Melakkottaiyur	52	10	175	Mng Vpt
37. Mambakkam	37	5	33	Mng Vpt
38. Nellikuppam	59	6	57	Mng Sur
39. Navalur	109	7	205	Amp
40. Nemmeli	107	—	82	Amp Mbm
41. Organdam	68	5	48	Vpt
42. Otteri	91	3	114	Vpt Mgd
43. Orathur	101	10	63	Vpt Mng
44. Porundavakkam	65	1	29	Vpt Mgd
45. Panjandhirathi	63	9	81	Vpt Mgd
46. Poondi	60	2	44	Vpt Sur
47. Periyavippedu	23	7	74	Vpt Mng
48. Paiyanur	69	6	65	Mng Vpt
49. Pooluppai	51	8	28	Amp
50. Periyairumbedu	23	7	74	Vpt Mng
51. Padur	63	4	43	Mng Vpt
52. Pattipulam	61	12	188	Sur Mgd
53. Ponmar	65	5	73	Mng Sur
54. Polacheri	53	5	47	Mng Vpt
55. Pudupakkam	53	11	86	Mng Sur
56. Reddikuppam	57	11	117	Vpt
57. Rayamangalam	62	20	90	Mng Vpt
58. Sembakkam	85	5	33	Sur
59. Sirudhavur	72	3	36	Sur Mgd
60. Sirukundran	73	6	66	Sur
61. Sirucheri	63	39	96	Amp
62. Sathankuppam	62	12	48	Sur
63. Thazambur	58	3	90	Vpt
64. Thiruvidadai	70	6	41	Vpt Mng
65. Thaiyur	84	7	104	Mng Sur
66. Thandalam	60	5	31	Sur
67. Thiruporur	58	3	93	Sur Mng
68. Valarkunram	90	4	51	Sur Mgd
69. Viralpakkam	128	4	100	Sur Mng
70. Velichai	57	12	54	Mng Vpt

LAND CAPABILITY

CHENGALPATTU TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
19,359	II es	Mangalathupattu	Erosion surface run off	Soil conservation
11,884	II ws	Suramangalam	Surface moisture alkalinity	Improving Drainage Selection of crops Soil reclamation
12,542	III s	Mangadu Mahabalipuram	Poor surface Texture Soil gravelliness	Soil texture development Selection of crops
6,867	III es	Vannapatti	Surface run off topography shallow depth	Soil conservation reclamation Selection of crops
699	II s	Ammapet	Heavy texture poor drainage cracks	Improving Drainage Selection of crops

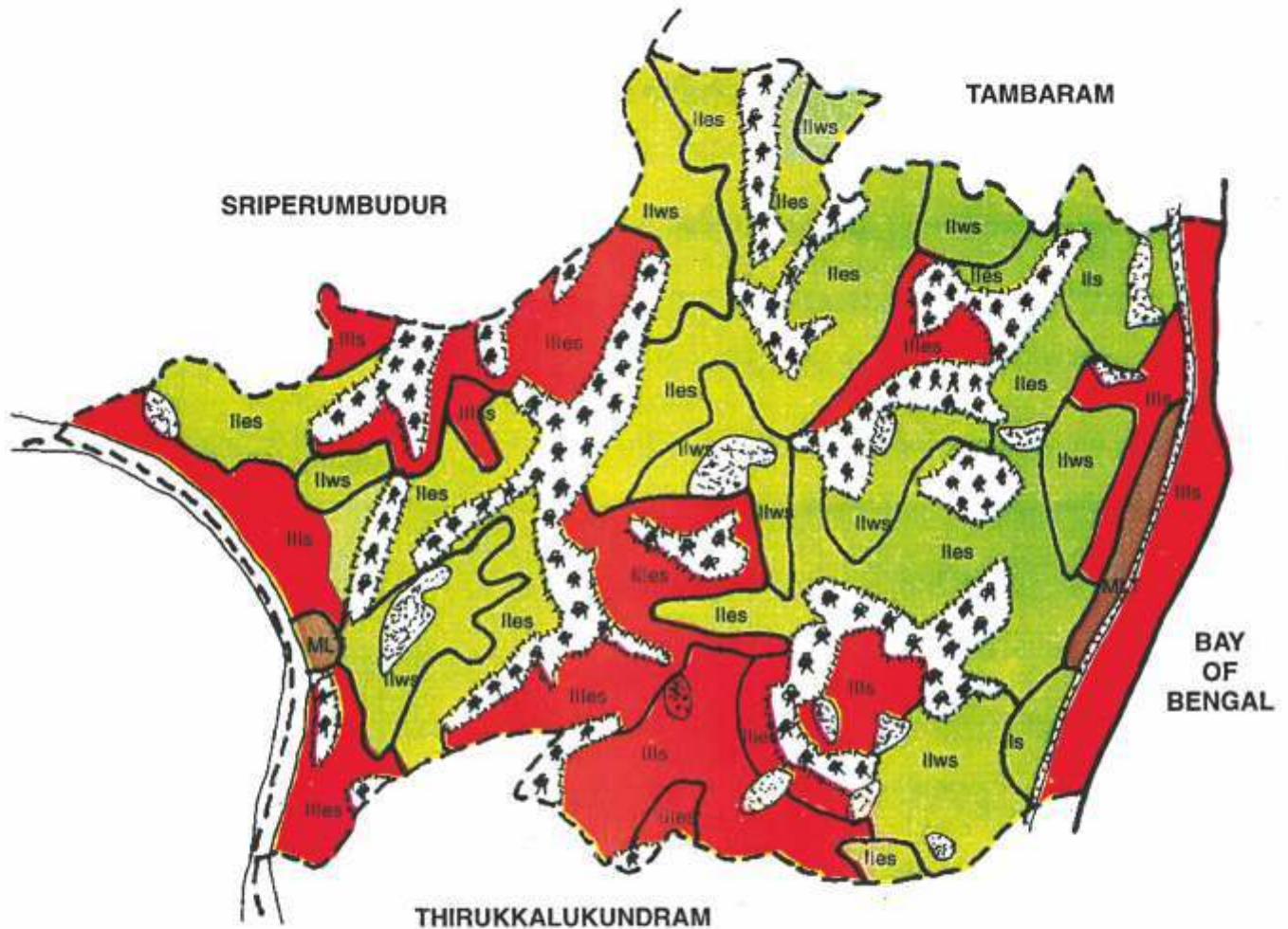
Class

- II** - Good cultivable lands that have moderate limitations for sustained use under agriculture
- III** - Moderately good cultivable lands that have severe limitations for sustained use under agriculture

Sub class

- e** - Erosion and run off
- w** - Excess water
- s** - Root zone limitations

LAND CAPABILITY CHENGALPATTU TALUK



LEGEND

CLASS

- GOOD CULTIVABLE LAND
- MODERATELY GOOD CULTIVABLE LAND
- MISCELLANEOUS LAND TYPE

SUB CLASS

- e - EROSION
- w - EXCESS WATER
- s - ROOT ZONE LIMITATION

REFERENCE

- Taluk boundary
- Forest boundary
- River
- Tank

LAND IRRIGABILITY

CHENGALPATTU TALUK

Area (ha)	Land irrigability classification	Soil series	Limitation
19,359	2 st	Mangalathupattu	Erosion Topography Moderately run off
11,884	2 s	Suramangalam	Moderately alkaline Poor water retentivity
699	2 sd	Ammapet	Floods stratification Alkalinity Impeded drainage
12,542	3 s	Mahabalipuram	Poor surface texture Low water holding capacity Soil gravelliness
6,867	3 st	Vannapatti	Topography Erosion Poor water retentivity High run off

Class

- 2 -** Lands that have moderate limitations for sustained use under irrigation
- 3 -** Lands that have severe limitations for sustained use under irrigation

Sub class

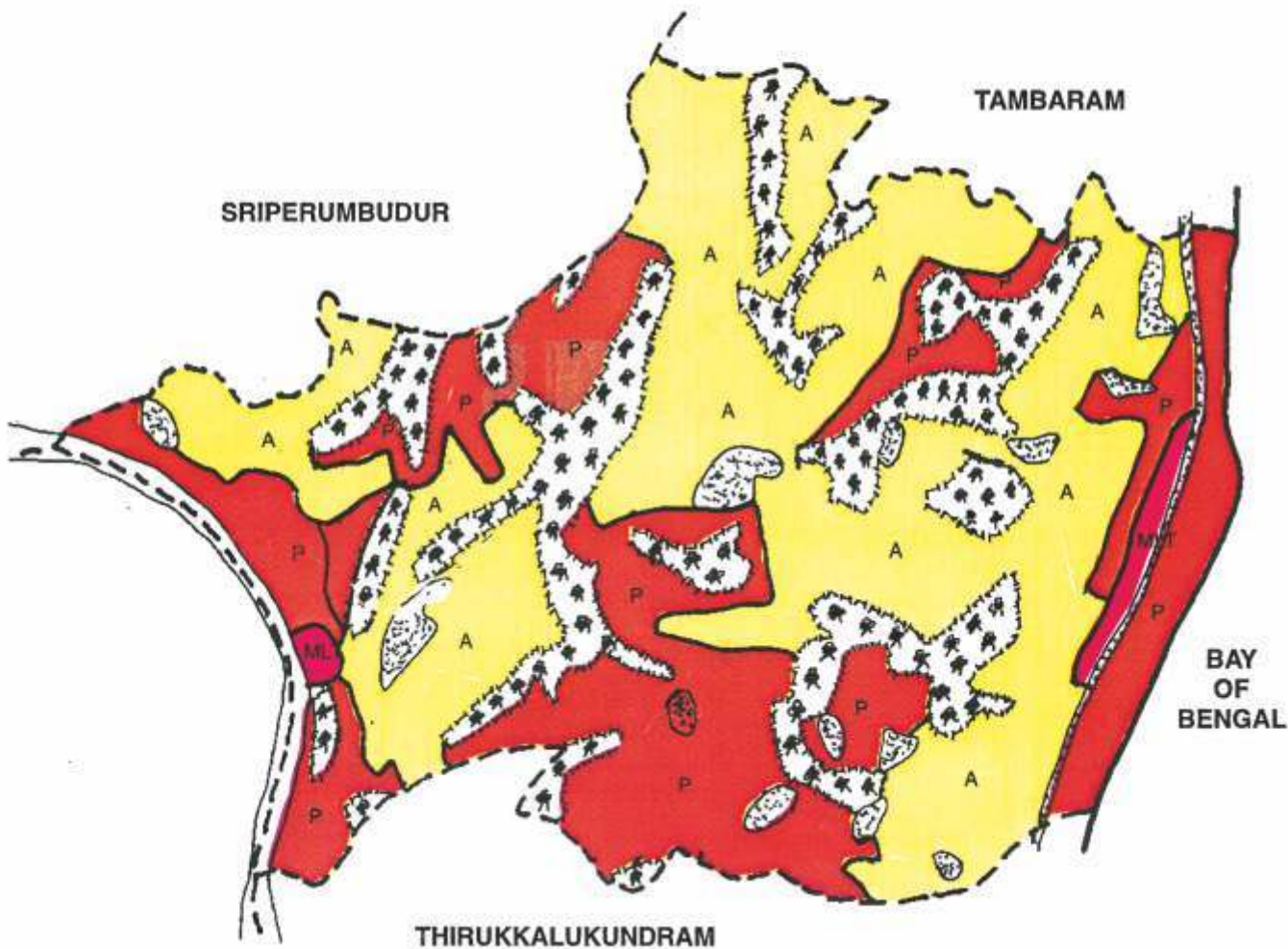
- s** - Soil limitation
- t** - Topography
- d** - Drainage

SOIL PRODUCTIVITY


CHENGALPATTU TALUK


Area (ha)	Productivity		Soil series
	Rating	Grouping	
19,409	8 - 19	Poor	Vannapatti Mahabalipuram Mangadu
31,942	19 - 34	Average	Mangalathupattu Suramangalam Ammamet

SOIL PRODUCTIVITY CHENGALPATTU TALUK



REFERENCE




Taluk boundary 

Forest boundary 

River 

Tank 

LEGEND

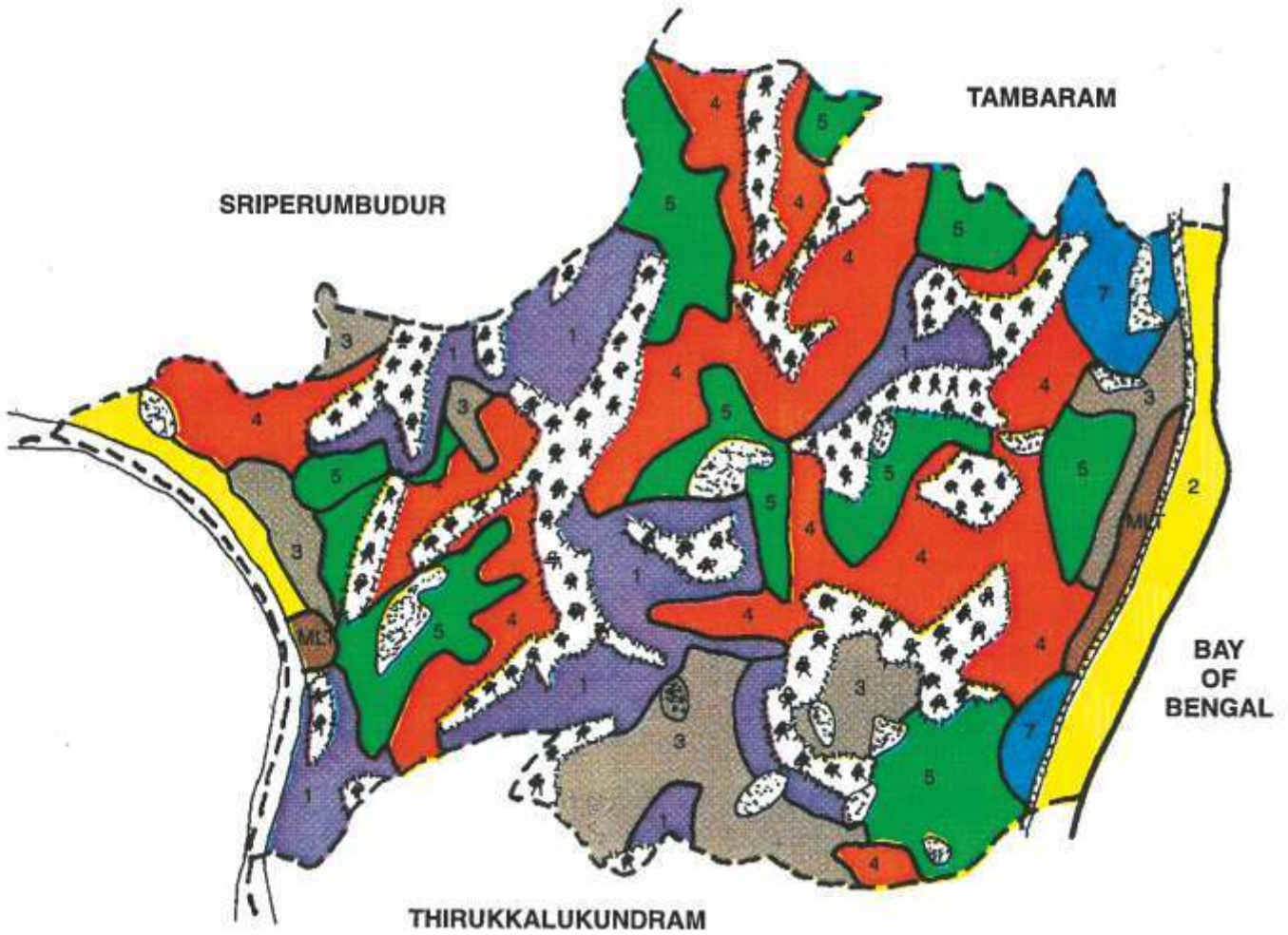
-  AVERAGE
-  POOR
-  MISCELLANEOUS LAND TYPE

CROPS GROWN


CHENGALPATTU TALUK


May symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Vannapatti	Groundnut Millets Pulses	Coconut Millets Pulses Vegetables
2	Mahabalipuram	Groundnut Casuarina	Coconut Cashew Paddy
3	Mangadu	Groundnut Pulses Milletes	Paddy Vegetables Gingelly Ragi
4	Mangalathupattu	Groundnut Pulses Millets	Paddy Ragi Sugarcane Sunflower Gingelly
5	Suramangalam	Groundnut Millets Sunflower	Paddy Ragi Sugarcane Sunflower Gingelly
7	Ammapet	Groundnut Sunflower	Paddy Chillies Sugarcane

CROPS GROWN CHENGALPATTU TALUK



REFERENCE








Taluk boundary 

Forest boundary 

River 

Tank 

LEGEND

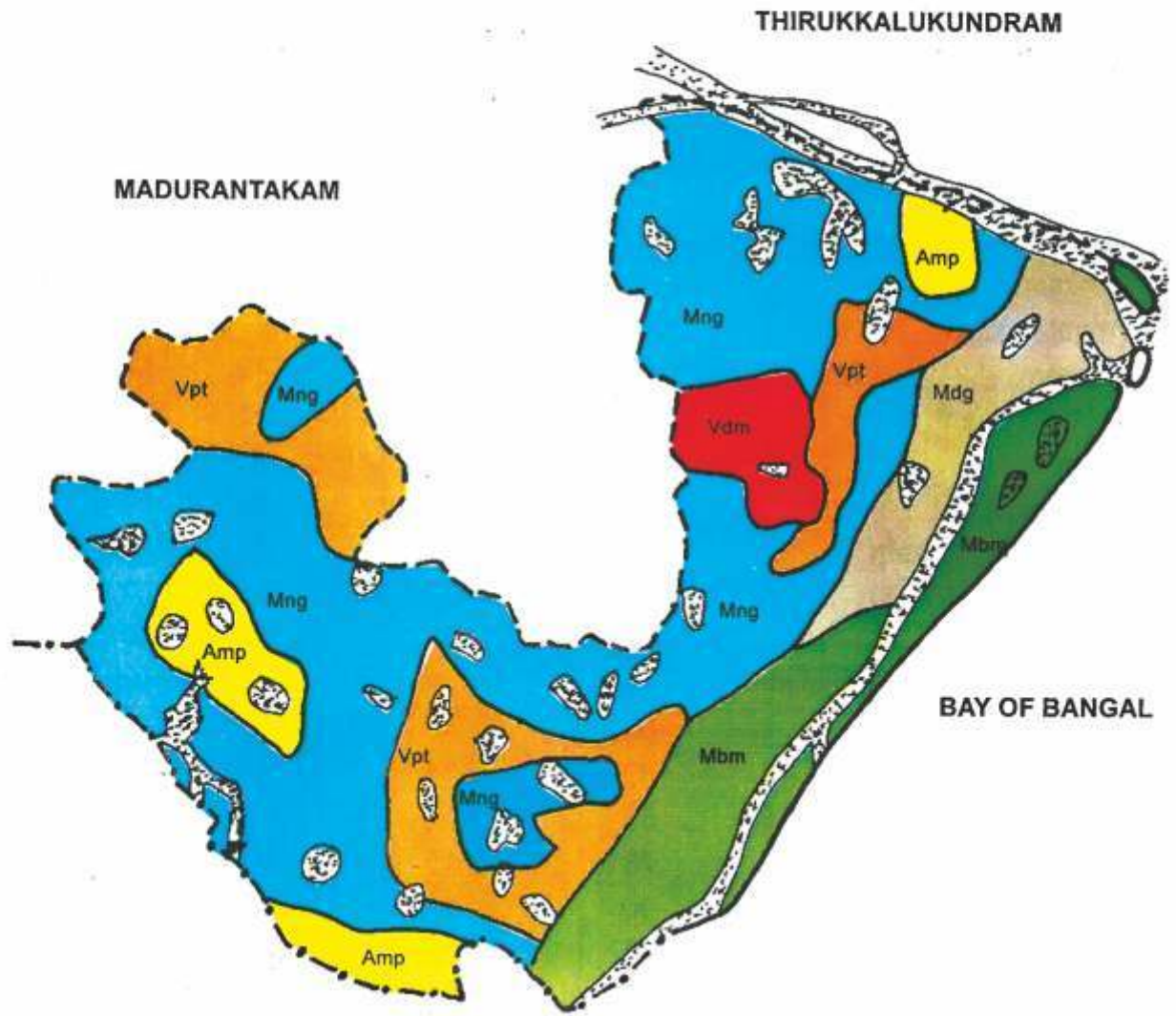
-  1
-  2
-  3
-  4
-  5
-  7
-  MLT MISCELLANEOUS LAND TYPE

SOILS

CHEYYUR TALUK

Soil series	Symbol	Extent	
		ha	%
1. Mangalathupattu	Mng	26,580	43.53
2. Vanapatti	Vpt	10,150	16.46
3. Mahabalipuram	Mbm	4,252	6.09
4. Vadamadurai	Vdm	3,740	6.06
5. Mangadu	Mgd	3,200	5.19
6. Ammapet	Amp	2,000	3.24
7. Forest and others	—	11,499	18.64
Total		61,691	100.00

SOILS CHEYYUR TALUK



REFERENCE

District boundary	-----
Taluk boundary	-----
Rivers	
Tank	

LEGEND

	MANGALATHUPATTY
	VANNAPATTY
	MAHABALIPURAM
	VADAMADURAI
	AMMAPET
	MANGADU

VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

CHEYYUR TALUK

Name of the village	Fertility status (Kg/Ac)			Dominant soil series
	Nitrogen	Phosphorus	Potassium	
(1)	(2)	(3)	(4)	(5)
CHITTAMUR BLOCK				
1. Anumanthakuppam	85	12	150	Vdm
2. Athimanam	75	11	125	Vdm Vpt
3. Ariyapakkam	75	11	125	Vdm Vpt
4. Agaram	71	28	46	Mng
5. Andarkuppam	56	8	71	Mng Vpt
6. Arcadu	59	5	25	Mng Amp
7. Alamparai	60	6	85	Mng
8. Ammanampakkam	105	28	40	Mng Amp
9. Aattupatti	96	3	55	Mng
10. Araippedu	69	35	298	Mng Vpt
11. Boodur	58	8	90	Vdm Vpt
12. Badhur	63	10	110	Mng
13. Chittamur	67	11	190	Mng Amp
14. Chittur	55	6	180	Mng Vpt
15. Essoor	73	15	61	Mng Vpt
16. Eravakkam	90	12	120	Mng
17. Gangadevankuppam	95	25	220	Vpt
18. Irusamanallore	80	16	79	Mng Amp
19. Irumpeli	76	10	168	Mng Vpt
20. Illadu	118	12	140	Mng Vpt
21. Indhalur	54	13	40	Mng
22. Kunnathur	54	43	43	Amp
23. Karunguzhi	120	12	175	Mng Vpt
24. Keelvalam	95	16	120	Amp
25. Kinar	110	15	130	Amp
26. Kesavarayanpettai	118	99	322	Mng Vpt
27. Kilmaruvathur	96	91	334	Mng Vpt
28. Kokkaranthangal	60	15	264	Mng Vpt
29. Kadapakkam	70	12	195	Vdm
30. Kottaikadu	46	43	237	Mbm

(1)	(2)	(3)	(4)	(5)
31. Kolathur	65	5	11	Amp
32. Kadukkalur	63	6	442	Mbm
33. Kovaipakkam	60	8	119	Mng Vpt
34. Kolathur	54	3	43	Amp
35. Kadappeni	75	29	93	Mng Amp
36. Kayappakkam	60	22	119	Mng Vpt
37. Mannurthiruppam	70	12	150	Mng Vpt
38. Melavalam	70	6	175	Mng Vpt
39. Melmaruvathur	58	9	72	Amp
40. Mazuvangaranai	78	8	39	Mng
41. Mambakkam	52	9	140	Mng Vpt
42. Mudaliarkuppam	110	60	290	Mbm
43. Nerkunam	59	18	248	Amp
44. Nallore	80	12	120	Vdm Vpt
45. Nugampal	70	12	180	Amp
46. Othivaligam	90	30	195	Mng
47. Pudupattu	80	12	150	Mng Vpt
48. Pasampur	90	20	210	Amp
49. Pathur	63	10	119	Vdm Mgd
50. Pazhur	71	24	315	Vdm
51. Pooriyambakkam	63	8	56	Mng Vpt
52. Periakalakadi	64	8	244	Mng Vot
53. Parukkal	101	4	119	Amp
54. Palambakkam	120	15	195	Mng Vpt
55. Poraiyur	110	16	175	Mng vpt
56. Porur	120	12	210	Mng
57. Perampakkam	112	11	66	Mng
58. Perungaranai	130	3	101	Mgd Mng
59. Pudupattu	162	6	175	Vdm
60. Puthivankottai	150	7	192	Mng Vpt
61. Panaiyativakkam	65	15	146	Mng Vpt
62. Pallampakkam	75	12	175	Mng
63. Panaiyur	110	60	230	Mbm
64. Puliur	90	12	130	Mng
65. Puliyani	95	12	190	Mng Amp
66. Sathamai	96	15	175	Mng Vpt
67. Sirukalathur	85	12	190	Mng Amp
68. Sotthupakkam	56	6	40	Mng
69. Soorakuppam	55	4	35	Mng
70. Sitharkadu	60	12	90	Mng Vpt

(1)	(2)	(3)	(4)	(5)
71. Siruvilampakkam	50	11	110	Amp
72. Sirunagar	60	9	123	Mng Vpt
73. Thottanaval	70	8	172	Mng
74. Thandalam	43	10	57	Vdm Vpt
75. Thondamvelleri	65	12	65	Mng
76. Thoraiyur	70	15	96	Mng Amp
77. Thenpakkam	65	7	83	Mng Vpt
78. Thooduvilampattu	130	4	190	Mng
79. Thenpakkam	50	10	196	Mng Vpt
80. Uzuthamangalam	90	12	165	Mng
81. Veeranakkunnam	110	6	170	Mng Vpt
82. Vettaperumbakkam	131	7	113	Mng Vpt
83. Vilangadu	120	6	120	Amp Vdm
84. Vellangondakaram	93	5	307	Mng Amp
85. Vannianellore	54	12	71	Mng Amp
86. Vilampattu	130	4	190	Mng Amp
87. Vayaloor	162	3	74	Mng
88. Vembanur	62	5	357	Mbm
89. Vedal	44	4	31	Mng Vpt
90. Vayaloor	162	3	74	Vdm Vpt
91. Venmangaram	170	7	90	Mng
LATTUR BLOCK				
1. Agaram	71	28	46	Mng Vpt
2. Akkinampattu	96	3	55	Mng Mgd
3. Atchivalagam	68	6	275	Mng Mgd
4. Ammanur	94	2	80	Mng Vpt
5. Cadaloor	69	6	30	Amp Vpt
6. Cheyyur	68	5	25	Mgd Vpt
7. Iranyasithi	161	17	101	Mng Vpt
8. Kalkulam	49	17	70	Mng Vpt
9. Karuppur	53	33	84	Mng Vpt
10. Kizarkollai	60	20	58	Mng Mgd
11. Kuvathur	50	10	118	Mgd
12. Kanathur	54	3	43	Mgd
13. Kodur	36	7	98	Amp Vdm
14. Kadukkupattu	58	2	63	Mng Vpt
15. Lattur	65	5	11	Amp
16. Menikuppam	10	6	130	Mng Vpt
17. Murukkanthangal	80	12	175	Amp

(1)	(2)	(3)	(4)	(5)
18. Malarajakuppam	10	6	135	Mng Vpt
19. Mugaiyur	65	9	47	Mgd Mbm
20. Madaiyampakkam	52	9	140	Mgd
21. Marutheri	59	10	240	Mng
22. Nemandam	54	8	54	Mng Vpt
23. Nedumaram	59	10	54	Mgd
24. Nerukunapattu	80	12	120	Mng Vpt
25. Nelvaipalayam	59	2	63	Mng Vpt
26. Nelvoy	38	4	31	Mng Vpt
27. Neelamangalam	87	13	79	Mng Vpt
28. Patchampakkam	63	8	56	Mng Vpt
29. Pavunjur	70	5	147	Mng
30. Punnamai	138	16	99	Mng Vpt
31. Parasanellore	55	6	86	amp
32. Poigainellore	63	5	67	Mng Amp
33. Poranjeri	69	5	83	Amp
34. Periavelikadu	75	6	69	Mng
35. Perumalcheri	71	24	315	Mng Vpt
36. Pakkur	63	10	119	Mgd
37. Pudupattu	163	6	175	Mng
38. Pakkuvancheri	71	24	315	
39. Perumbakkam	73	14	75	Vdm Amp
40. Sathankulam	70	12	165	Mng Vpt
41. Sevoor	82	2	170	Mng Vpt
42. Sundivakkam	10	9	142	Vdm Vpt
43. Sengattur	80	6	135	Vdm
44. Siruvangunam	90	12	175	Vdm Mng
45. Thiruvadur	67	6	55	Mng Vpt
46. Thirupurakovil	63	19	57	Vdm
47. Thenpattinam	50	5	196	Mng Vpt
48. Thandarai	93	10	75	Mng
49. Thondamanalur	92	14	136	Amp Mng
50. Uzhuthamangalam	65	11	190	Mng Amp
51. Vadakkuvayaloor	73	15	84	Mng Vpt
52. Veppancheri	62	16	59	Mng Mgd
53. Vadapattinam	10	2	114	Mbm

LAND CAPABILITY

CHEYYUR TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
26,850	II es	Mangalathupattu	Erosion Surface run off	Soil conservation
3,740	II s	Vadamadurai	Moderately Alkalinity Poor fertility	Improving drainage Selection of crops
2,000	II s	Ammapet	Heavy texture Poor drainage cracks	Improving drainage Selection of crops
7,452	III s	Mangadu Mahabalipuram	Poor surface Texture Soil gravelliness	Soil texture development Selection of crops
10,150	III es	Vannapatti	Surface run off Topography Shallow depth	Soil conservation Reclamation Selection of crops

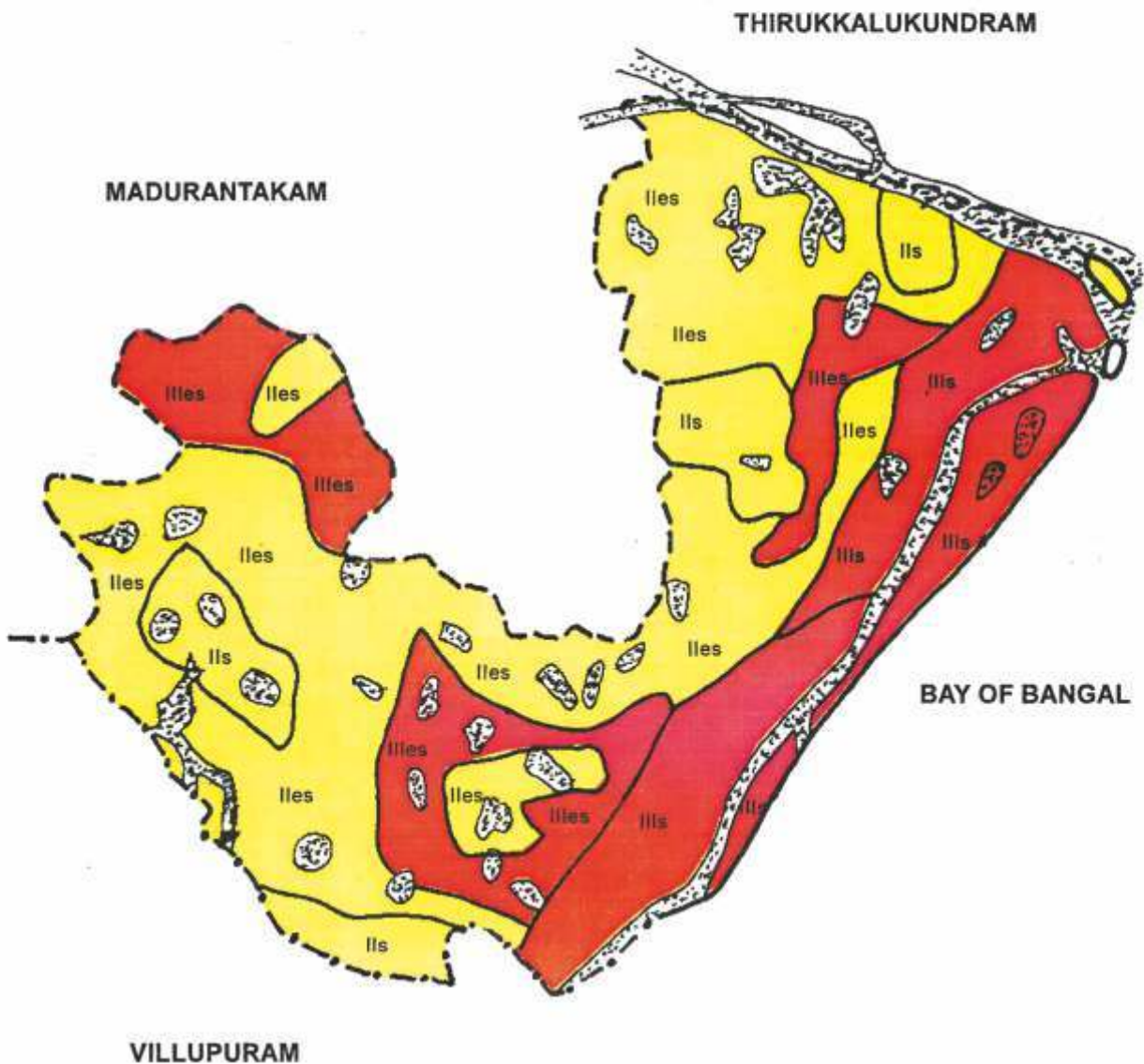
Class

- II -** Good cultivable lands that have moderate limitations for sustained use under agriculture
- III -** Moderately good cultivable lands that have severe limitations for sustained use under agriculture





Sub class

- e -** Erosion and run off
- w -** Excess water
- s -** Root zone limitations

LAND CAPABILITY CHEYYUR TALUK





REFERENCE

- District boundary 
- Taluk boundary 
- Rivers 
- Tank 

LEGEND

CLASS

-  GOOD CULTIVABLE LANDS
-  MODERATELY GOOD CULTIVABLE LANDS

SUB CLASS

- e - EROSION & RUNOFF
- e - EXCESS WATER
- r - ROOT ZONE LIMITATION

LAND IRRIGABILITY

CHEYYUR TALUK

Area (ha)	Land irrigability classification	Soil series	Limitation
26,850	2 st	Mangalathupattu	Erosion Topography Moderately run off
5,740	2 sd	Ammamet Vadamadurai	Floods Stratification Alkalinity Impeded drainage
7,452	3 s	Mahabalipuram	Poor surface texture Low water holding capacity Soil gravelliness
10,150	3 st	Vannapatti	Topography Erosion Poor water retentivity High run off

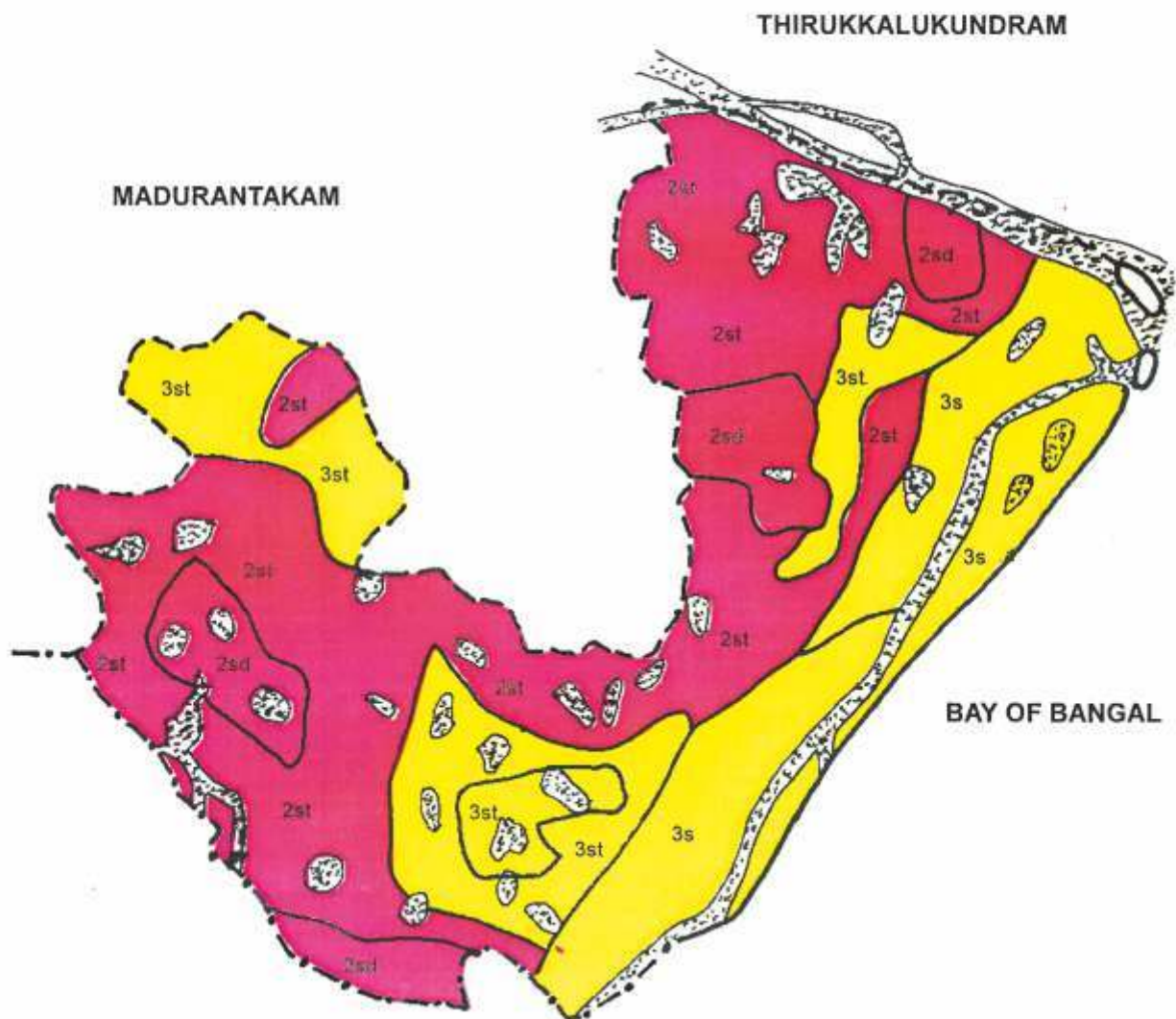
Class

- 2 -** Lands that have moderate limitations for sustained use under irrigation
- 3 -** Lands that have servere limitations for sustained use under irrigation





Sub class

- s** - Soil limitation
- t** - Topography
- d** - Drainage

LAND IRRIGABILITY CHEYYUR TALUK





REFERENCE

- District boundary 
- Taluk boundary 
- Rivers 
- Tank 

LEGEND

CLASS

-  MODERATE LIMITATION
-  SEVERE LIMITATION

SUB CLASS

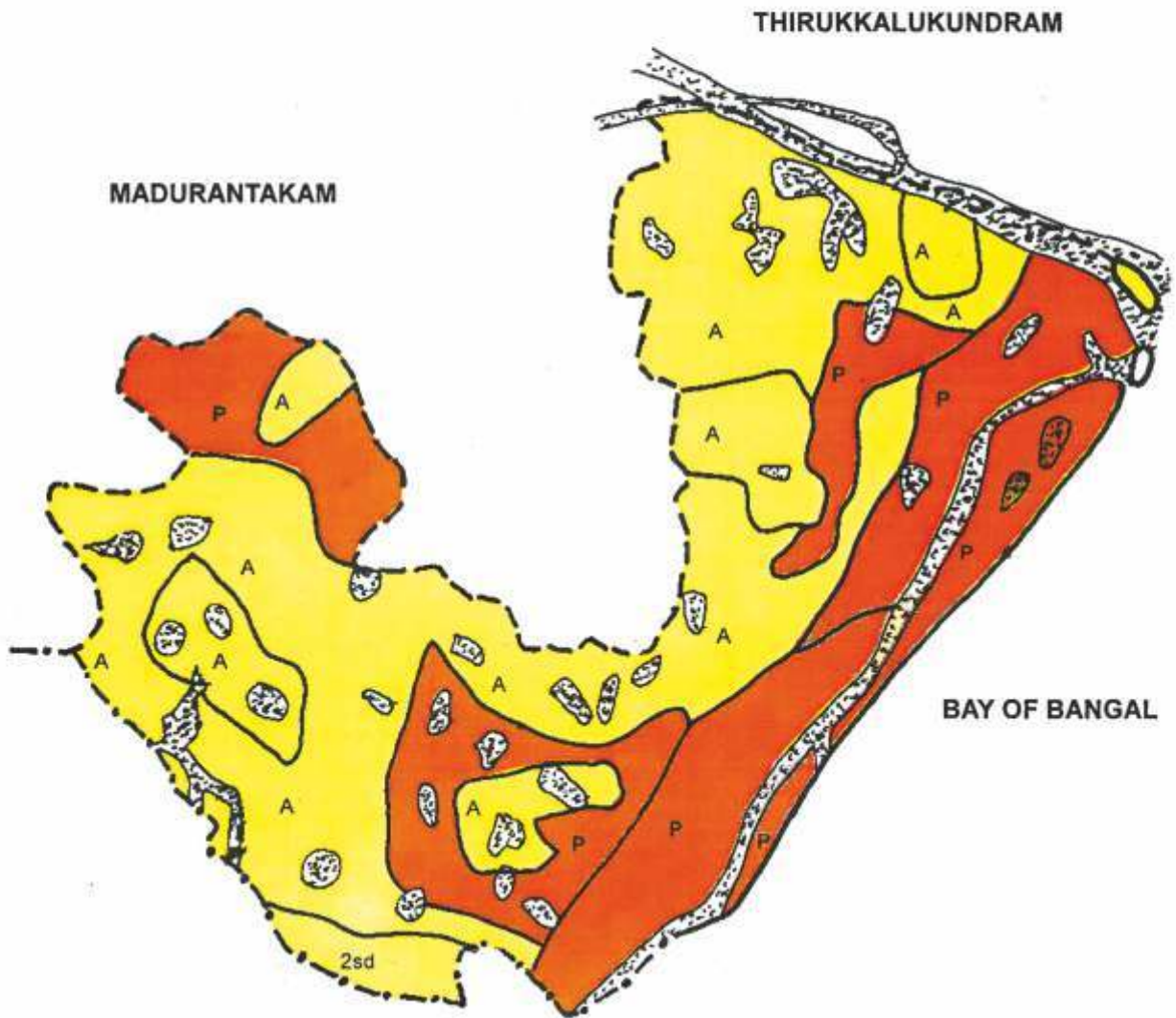
- s - SOIL LIMITATION
- t - TOPOGRAPHY
- d - DRAINAGE

SOIL PRODUCTIVITY

CHEYUR TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
17,602	8 - 19	Poor	Vannapatti Mahabalipuram Mangadu
32,590	20 - 34	Average	Mangalathupattu Vadamadurai Ammamet

SOIL PRODUCTIVITY CHEYYUR TALUK



REFERENCE

- District boundary - - - - -
- Taluk boundary - - - - -
- Rivers
- Tank

LEGEND

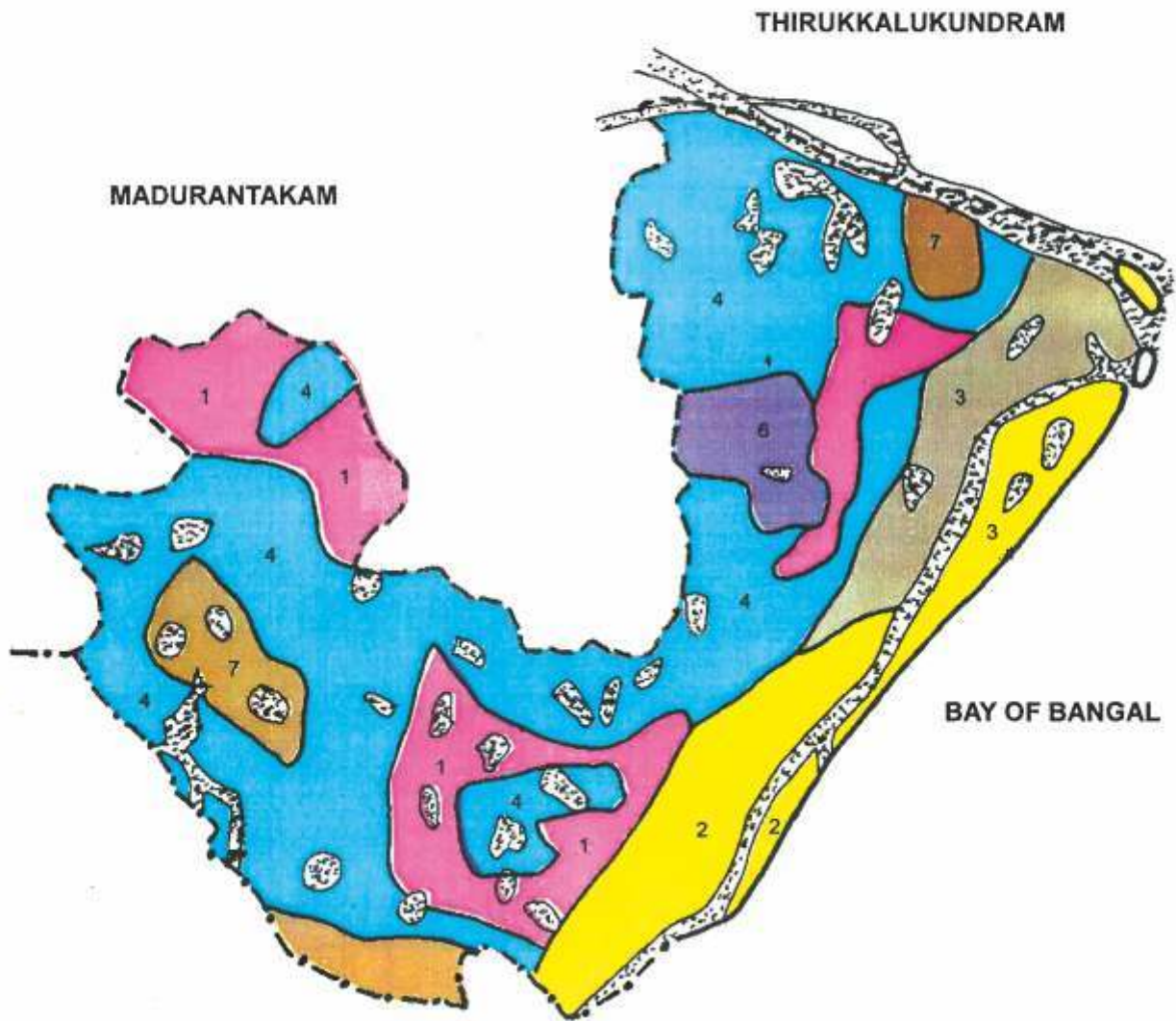
-  AVERAGE
-  POOR

CROPS GROWN





CHEYYUR TALUK

May symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Vannapatti	Groundnut Millets Pulses	Coconut Millets Pulses Vegetables
2	Mahabalipuram	Groundnut Casuarina	Coconut Cashew Paddy
3	Mangadu	Groundnut Pulses Milletes	Paddy Vegetables Gingelly Ragi
4	Mangalathupattu	Groundnut Pulses Millets	Paddy Ragi Sugarcane Sunflower Gingelly
6	Vadamadurai	Groundnut Millets Sunflower	Paddy Sugarcane
7	Ammapet	Groundnut Sunflower	Paddy Chillies Sugarcane




CROPS GROWN CHEYYUR TALUK



REFERENCE

- District boundary 
- Taluk boundary 
- Rivers 
- Tank 

LEGEND

-  1
-  2
-  3
-  4
-  6
-  7

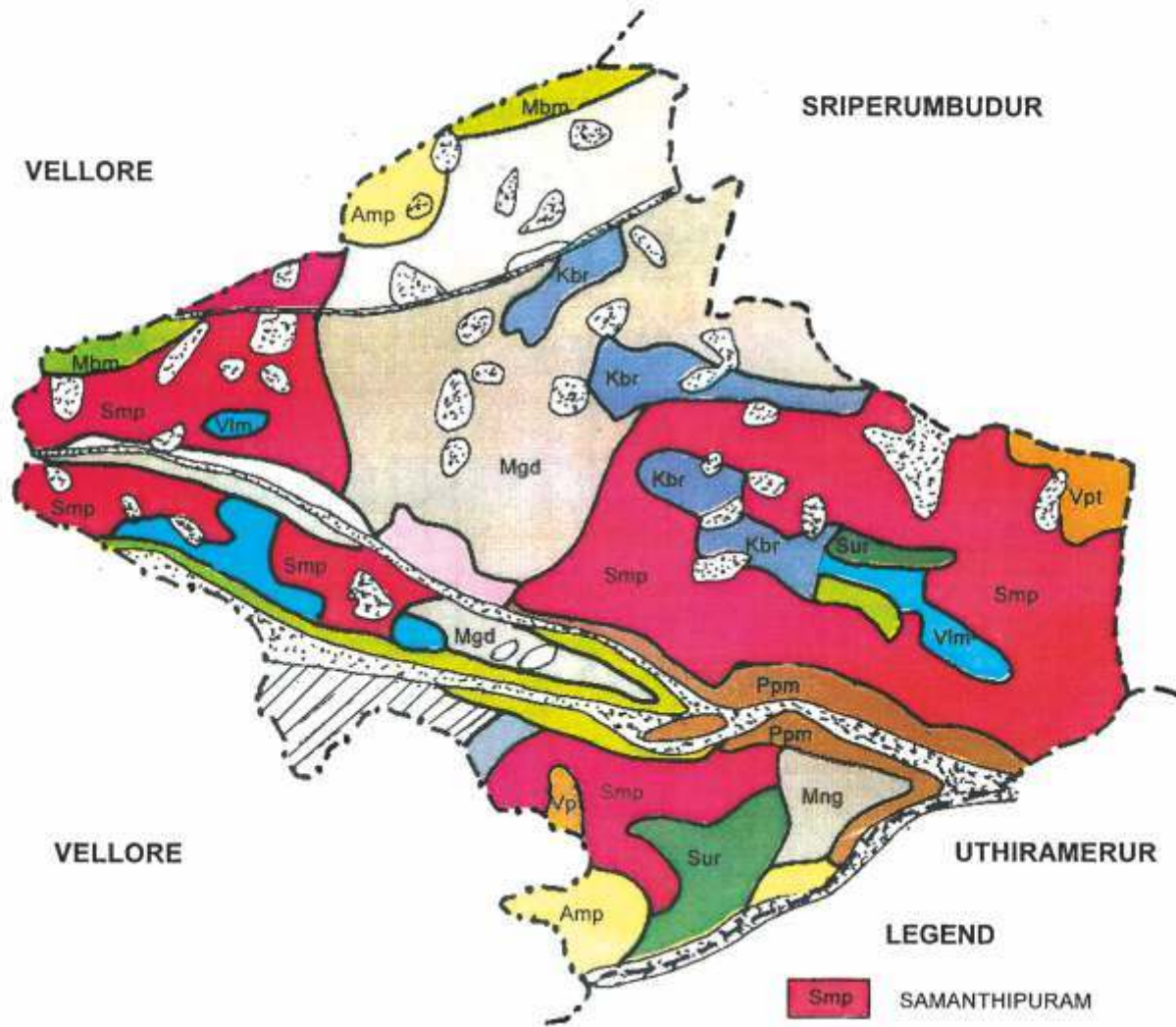
SOILS

KANCHEEPURAM TALUK

Soil series	Symbol	Extent	
		ha	%
1. Samanthapuram	Smp	18,105	28.95
2. Mangadu	Mgd	12,000	19.20
3. Kurumbalur	Kbr	2,485	3.97
4. Ammapet	Amp	2,265	3.63
5. Suramangalam	Sur	2,050	3.27
6. Pallipalayam	Ppm	1,920	3.07
7. Vallam	Vlm	1,665	2.66
8. Vanapatti	Vpt	1,470	2.35
9. Mahabalipuram	Mbm	1,350	2.16
10. Soil Association	—	3,095	4.94
11. Forest and others	—	16,123	25.79
Total		62,528	100.00



SOILS KANCHEEPURAM TALUK







VELLORE












SRIPERUMBUDUR

UTHIRAMERUR

REFERENCE

- District boundary 
- Taluk boundary 
- Rivers 
- Tank 

LEGEND

-  Smp SAMANTHIPURAM
-  Mgd MANGADU
-  Kbr KURUMBALUR
-  Mbm MAHABALIPURAM
-  Ppm PALLIPALAYAM
-  Amp AMMAPET
-  Vlm VALLAM
-  Vpt VANNAPATTY
-  Sur SURAMANGALAM
-  MLT MISCELLANEOUS LAND TYPE
-  SOIL ASSOCIATION

VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

KANCHEEPURAM TALUK

Name of the village	Fertility status (Kg/Ac)			Dominant soil series
	Nitrogen	Phosphorus	Potassium	
(1)	(2)	(3)	(4)	(5)
KANCHEEPURAM BLOCK				
1. Arappakkam	58	42	75	Smp Amp
2. Angambakkam	57	18	118	Mgd Smp
3. Avalur	70	16	231	Sur Mbm
4. Ariyaperumbakkam	70	11	69	Smp Mgd
5. Alavandharmedu	51	29	67	Mbm
6. Anjur	40	3	51	Smp Mgd
7. Achukkattu	78	7	81	Smp Mgd
8. Arappanancheri	71	15	73	Sur Smp
9. Asoor	63	26	353	Mgd Smp
10. Ayyangarkulam	77	7	77	Kbr Vpt
11. Chithathur	68	31	37	Sur Mbm
12. Chitherimedu	102	10	43	Sur Mgd
13. Chinnayyankulam	71	6	99	Smp Mgd Mbm
14. Dhamala I	70	42	72	Smp Mgd
15. Dhamal II	65	35	65	Vlm Apm
16. Dhamal III	65	40	70	Ppm Mbm
17. Erivakkam	81	5	74	Smp Sur
18. Kolathur	105	5	78	Smp
19. Kilputhur	49	9	15	Sur Smp
20. Kalakkattur	63	175	15	Smp Vlm
21. Kuruvimalai	104	7	270	Smp Mbm
22. Kalur	73	8	278	Mgd Smp
23. Koovam	57	53	82	Smp Mgd
24. Kozivakkam	77	4	53	Sur Mbm
25. Kallakamsanpattadai	50	7	75	Smp Mgd

(1)	(2)	(3)	(4)	(5)
26. Karuppadithattadai	49	5	60	Smp Mgd
27. Kizhambi	60	12	34	Smp Mgd
28. Kancheepuram	64	9	268	Smp Mbm
29. Kizkadhirpur	59	5	67	Smp Mgd
30. Kottaikaval	62	22	107	Smp
31. Kotherikuppam	61	18	106	Smp Mgd
32. Kavanthandalam	76	47	170	Sur Smp
33. Magaval	97	46	157	Amp Sur
34. Melputhur	74	14	73	Smp Mgd
35. Muttavakkam	65	20	30	Smp
36. Melbangaram	63	101	33	Smp
37. Muthavedu	58	5	70	Smp Mbm
38. Melambi	65	74	88	Smp Mbm
39. Melottivakkam	61	8	447	Kbr Smp Mbm
40. Musaravakkam	61	33	190	Kbr Smp Mbm
41. Melkadhirpur	113	3	138	Smp Mgd
42. Mangalpadi	75	24	55	Mbm
43. Mettukuppam	90	66	139	Mbm Kbr
44. Narappakkam	31	34	159	Vlm Mgd
45. Neyveli	54	50	164	Sur Mgd
46. Netteri	66	62	80	Smp
47. Nathapettai	72	19	101	Smp Mgd
48. Nasarathpettai	50	8	138	Smp Mgd
49. Orikkai	91	69	145	Smp Mbm
50. Peramanallore	56	8	90	Smp Mbm
51. Pungarathangal	70	2	77	Smp Kbr
52. Perumbakkam	46	3	51	Mbm Smp
53. Pichavadi	89	33	211	Mbm Vlm
54. Pappangalam	51	2	111	Mgd
55. Putheri	89	13	46	Smp Mbm
56. Periyathottam	62	2	40	Smp Mbm Ppm
57. Sirunaiperugal	60	18	78	Smp Mgd
58. Sembarambakkam	73	36	72	Mgd
59. Sirukaveripakkam	63	13	92	Mgd Smp
60. Sadanthangal	92	2	68	Smp Vlm

(1)	(2)	(3)	(4)	(5)
61. Sevilimedu	55	105	305	Smp Mbm Vlm
62. Thalaiyillaperumbakkam	86	9	57	Mbm Smp
63. Thiruppukkzhi	59	7	62	Mgd Vlm Mbm
64. Thaipakkam	66	21	38	Smp Ppm
65. Thulukkanthandalam	62	10	93	Mgd
66. Thimmasamudram	62	33	85	Mgd
67. Thenambakkam	40	18	80	Smp Mbm
68. Thattithoppu	52	24	155	Smp Ppm
69. Thammanur	66	15	203	Mgd
70. Thiruvedhipallam	74	9	135	Smp
71. Uzhakkolpattu	90	11	85	Smp Mgd
72. Vachanthal	65	4	87	Smp Mbm
73. Vedal	51	5	61	Smp Kbr
74. Vadhiyur	61	11	30	Smp Ppm
75. Valathottam	74	9	152	Kbr Ppm
76. Vishar	51	9	50	Mgd Vlm
77. Vippedu	57	4	59	Smp Mbm
78. Veerambadi	91	2	37	Mbm
79. Velingapattadai	73	23	55	Smp Mbm
WALAJABAD BLOCK				
1. Alavur	57	35	310	Smp Mgd
2. Ambakkam	38	2	25	Smp Mgd
3. Athipattu	78	7	81	Smp
4. Agaram	47	9	51	Smp Mgd
5. Ayimicheri	71	15	73	Sur Mgd
6. Ayyampettai	151	3	203	Smp Ppm
7. Attaputhur	128	8	170	Kbr Mgd
8. Ariyambakkam	61	9	74	Mgd
9. Alappakkam	63	16	69	Smp Mgd
10. Athivakkam	46	20	55	Smp Mgd
11. Chinnamadurapakkam	53	39	420	Smp Mgd
12. Chinnivakkam	56	12	67	Smp Vlm
13. Cityambakkam	57	8	18	Smp
14. Dhonangulam	73	9	54	Mgd Vpt
15. Dhevariambakkam	56	9	70	Smp Vlm

(1)	(2)	(3)	(4)	(5)
16. Enathur	78	12	81	Smp Mgd
17. Erivoy	81	2	74	Smp Ppm
18. Enjambakkam	56	41	70	Mgd
19. Ekampettai	66	14	60	Mgd
20. Govindhavadi	72	4	74	Smp Amp Sur
21. Kattavakkam	63	19	209	Mgd
22. Kunnnavakkam	42	3	497	Smp Mgd
23. Kovalamedu	77	13	79	Mgd Vpt
24. Kallipattu	70	8	72	Kbr Mgd
25. Kasapattu	69	12	47	Smp
26. Koyambakkam	83	40	81	Mgd Mbm Ppm
27. Kilothivakkam	77	5	67	Smp Ppm
28. Kottavakkam	82	18	60	Smp
29. Karai	78	4	51	Mgd
30. Kanagambakkam	56	7	60	Smp Mgd
31. Kothirambakkam	72	3	42	Smp Kbr
32. Kaliyanur	63	82	100	Smp
33. Karoor	73	8	278	Mgd Kbr
34. Manjamedu	82	13	40	Smp Mgd
35. Madavilagam	126	30	148	Smp
36. Muthiyalpettai	173	5	325	Mgd Ppm
37. Maniyatchi	56	10	49	Mgd
38. Moolapattu	51	35	465	Mgd
39. Madaapuram	68	8	48	Smp Mgd
40. Marudham	55	14	85	Mgd
41. Murukkanthangal	58	19	133	Smp
42. Mummalpattu	44	30	44	Mgd Kbr
43. Melputhur	74	14	73	Smp Mgd
44. Nayakkankuppam	62	6	157	Smp
45. Nandhanellore	49	8	10	Mgd
46. Nayakkanpettai	56	9	28	Mgd Ppm
47. Nelvoy	54	50	164	Smp
48. Nallore	57	43	10	Smp Mgd
49. Neervalur	72	225	319	Smp Mgd
50. Oddanthangal	64	51	76	Smp Mgd

(1)	(2)	(3)	(4)	(5)
51. Periyamadurapakkam	55	15	302	Mgd Smp
52. Puthagaram	70	5	41	Mgd Kbr
53. Puliyambakkam	90	57	151	Smp Ppm
54. Poosivakkam	64	18	396	Mgd
55. Padappam	72	7	49	Mbm Ppm
56. Pazhaiyaseevaram	98	109	263	Mgd Vlm Vpt
57. Periyakarumbur	85	12	47	Mgd
58. Puduppakkam	79	6	71	Mgd
59. Putheri	89	13	46	Smp Mbm
60. Pondhavakkam	44	42	84	Mgd Smp
61. Purisai	59	10	69	Smp Ppm
62. Pallambakkam	123	6	185	Smp
63. Pullathur	56	23	155	Smp Ppm
64. Padunelli	81	4	75	Mgd Amp
65. Poondithangal	58	2	72	Mgd Kbr
66. Parandhur	77	11	123	Mgd Kbr
67. Podavur	42	8	50	Mgd Kbr
68. Siruvakkam	254	10	57	Smp Sur
69. Sirubagal	53	6	265	Smp Mgd
70. Seekakankulam	41	8	60	Smp Mgd
71. Sooramenikuppam	49	12	131	Sur
72. Siruvedal	124	9	166	Kbr Mgd
73. Singadivakkam	53	13	121	Mgd Kbr
74. Siruvallur	49	13	261	Mgd Kbr
75. Seeyatti	90	30	260	smp Mgd
76. Semathangal	58	10	130	Smp
77. Thazhayampattu	48	5	59	
78. Thenneri	70	67	62	Mgd
79. Thiruvangaranai	48	8	264	Vpt Mgd
80. Thandalam	68	34	475	Ppm Mgd

(1)	(2)	(3)	(4)	(5)
81. Thollachi	47	26	11	Mgd
82. Thimmarajampattai	106	182	451	Mgd Ppm
83. Thangi	61	12	34	Ppm Mgd
84. Thodur	123	9	153	Smp
85. Thimmayanpettai	59	12	140	Mgd Ppm
86. Thirumalpadi	20	20	48	Smp
87. Thandalam	60	49	115	Mgd
88. Thirumalpattu	20	20	49	Smp Mgd
89. Ullavur	70	7	44	Mgd Ppm
90. Uthukaddu	92	5	70	Mgd Kbr
91. Vooveri				
92. Vuzayur	53	6	95	Smp Ppm
93. Varanavasi	71	14	62	Smp
94. Vilagam	68	5	39	Mgd
95. Vembakkam	53	9	30	Mgd Kbr
96. Vadaveripattu	50	3	69	Smp
97. Villivalam	87	4	83	Smp Mbm
98. Vallapakkam	76	44	179	Mgd Ppm
99. Vengudi	68	5	39	Ppm Mgd
100. Valluvambakkam	53	9	30	Smp
101. Vishakandikuppam	77	4	45	Smp Mgd
102. Veliyur	53	6	95	Mgd
103. Valathur	76	7	38	Smp Sur
104. Vaiyavur	167	12	65	Mgd
105. Vedal	51	5	61	Smp Kbr
106. Walajabad	106	33	453	Smp Mbm

LAND CAPABILITY

KANCHEEPURAM TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
2,050	II ws	Suramangalam	Soil moisture Alkalinity	Improving Drainage Selection of crops Soil reclamation
2,485	II s	Kurumbalur	Moderately Alkalinity Poor fertility	Improving drainage Selection of crops
2,265	II s	Ammamet	Heavy texture poor drainage cracks	Improving drainage
31,455	III s	Samanthapuram Mangadu Mahabalipuram	Poor surface Texture Soil fragipan gravelliness	Soil texture development Selection of crops
1,665	II es	Vallam	Erosion Surface run off	Soil conservation
3,390	III es	Vannapatti Pallipalayam	Surface run off Erosion Topography Shallow depth	Soil conservation reclamation Selection of crops

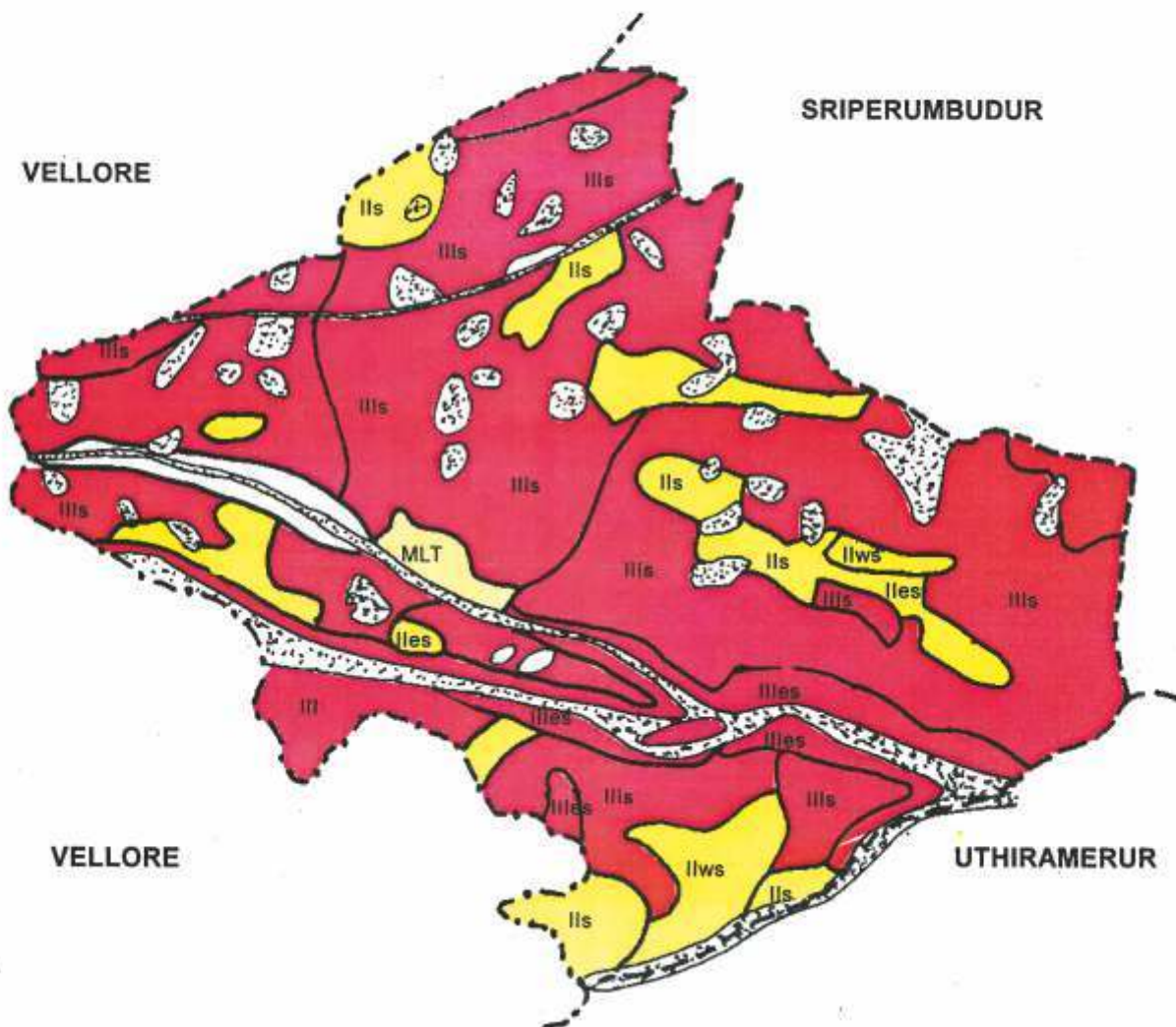
Class

- II -** Good cultivable lands that have moderate limitations for sustained use under agriculture
- III -** Moderately good cultivable lands that have severe limitations for sustained use under agriculture





Sub class

- e -** Erosion and run off
- w -** Excess water
- s -** Root zone limitations

LAND CAPABILITY KANCHEEPURAM TALUK






REFERENCE

- District boundary 
- Taluk boundary 
- Rivers 
- Tank 

LEGEND

CLASS

-  GOOD CULTIVABLE LANDS
-  MODERATELY GOOD
-  MISCELLANEOUS LAND TYPE

SUB CLASS

- e - EROSION & RUNOFF
- e - EXCESS WATER
- r - ROOT ZONE LIMITATION

LAND IRRIGABILITY

KANCHEEPURAM TALUK

Area (ha)	Land irrigability classification	Soil series	Limitation
19,770	2 st	Vallam Samanthapuram	Erosion Topography Moderately run off
2,050	2 s	Suramangalam	Moderately Alkaline Poor water retentivity
4,750	2 sd	Ammamet Kurumbalur	Floods Stratification Alkalinity Impeded drainage
13,350	3 s	Mangadu Mahabalipuram	Poor surface texture Low water holding capacity Soil gravelliness Soil fraipan
3,390	3 st	Pallipalayam Vannapatti	Topography Erosion Poor water retentivity High run off

Class

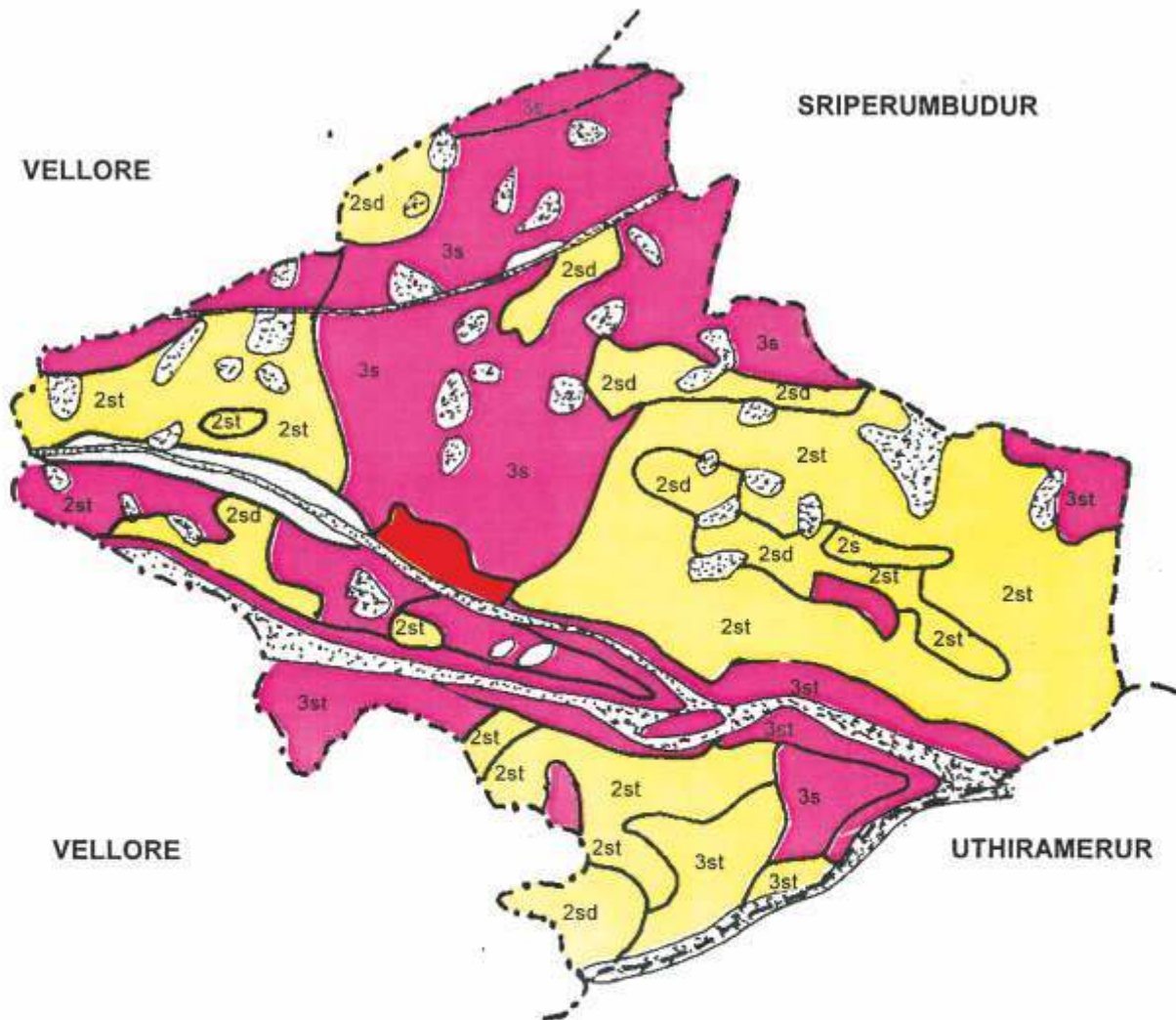
- 2** - Lands that have moderate limitations for sustained use under irrigation
- 3** - Lands that have severe limitations for sustained use under irrigation

Sub class





- s** - Soil limitation
- t** - Topography
- d** - Drainage



LAND IRRIGABILITY KANCHEEPURAM TALUK






REFERENCE

- District boundary 
- Taluk boundary 
- Rivers 
- Tank 

LEGEND

CLASS

-  MODERATE LIMITATION
-  SEVERE LIMITATION
-  MISCELLENEOUS LAND TYPE

SUB CLASS

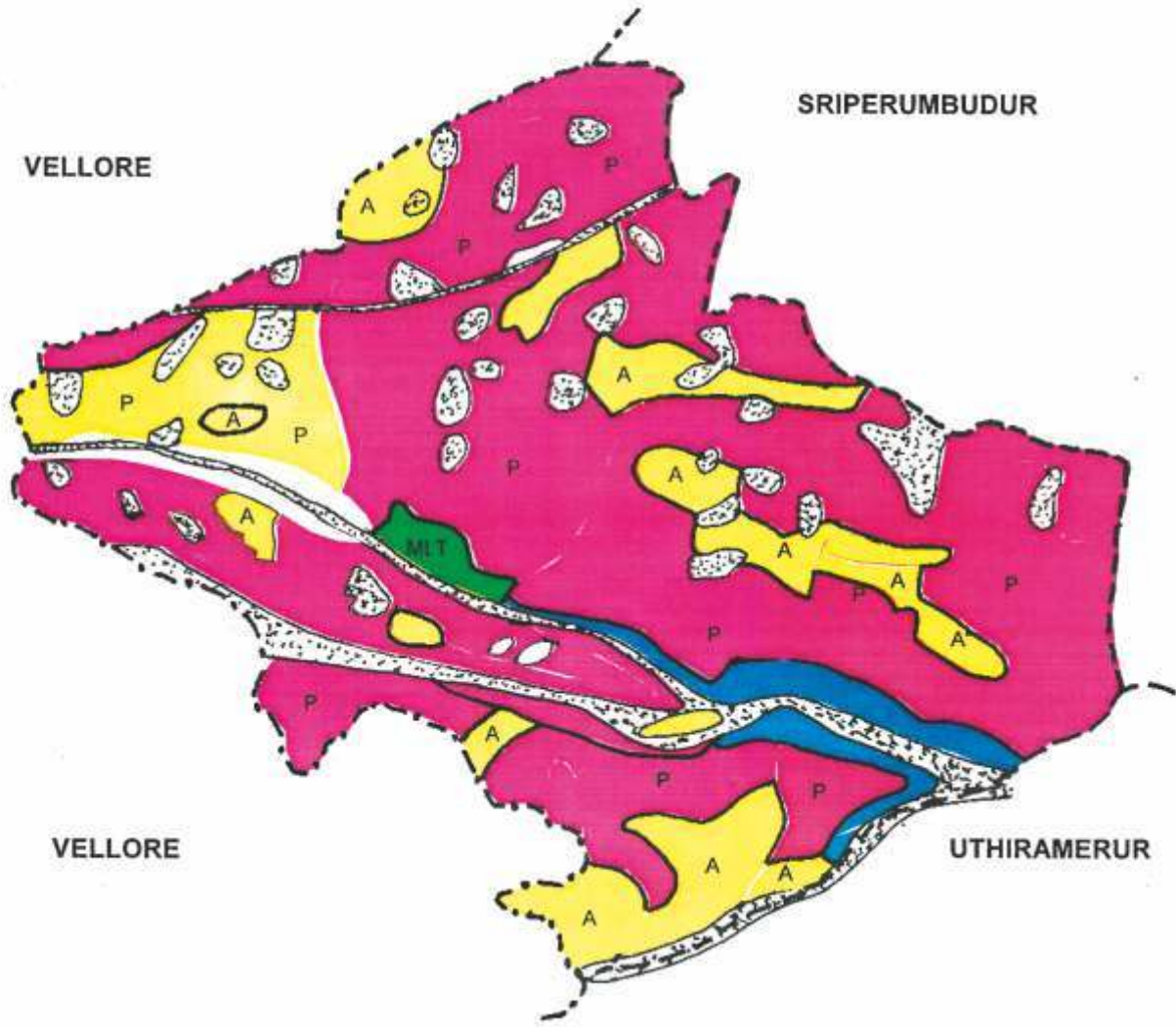
- s - SOIL LIMITATION
- t - TOPOGRAPHY
- d - DRAINAGE

SOIL PRODUCTIVITY





KANCHEEPURAM TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
1,920	0 - 7	Extremely Poor	Pallipalayam
32,925	8 - 9	Poor	Vannapatti Mahabalipuram Mangadu Samanthapuram
8,469	20 - 34	Average	Kurumbalur Vallam Suramangalam Ammapet





SOIL PRODUCTIVITY KANCHEEPURAM TALUK



REFERENCE

- District boundary 
- Taluk boundary 
- Rivers 
- Tank 

LEGEND

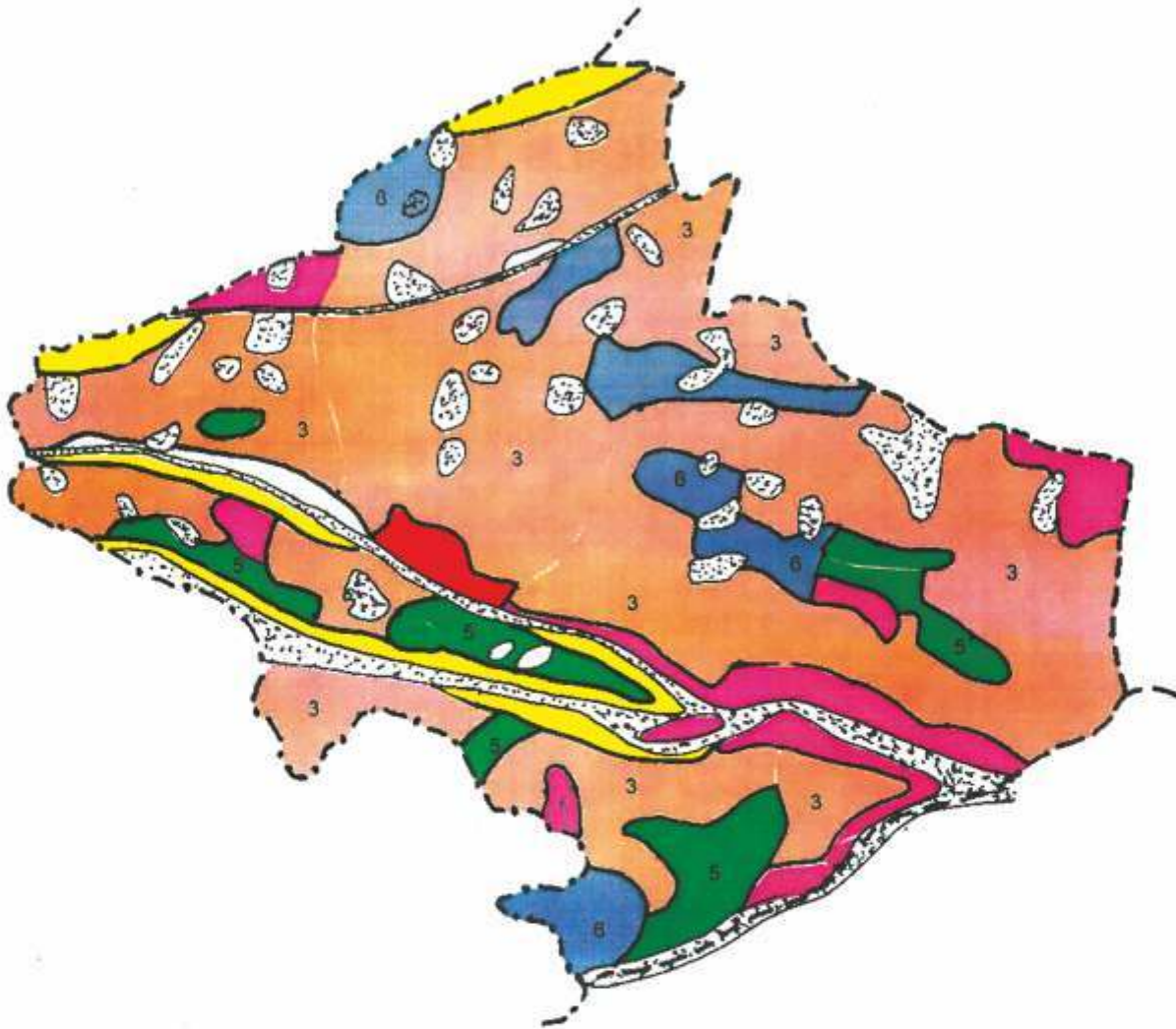
-  AVERAGE
-  POOR
-  EXTREMELY POOR
-  MISCELLANEOUS LAND TYPE

CROPS GROWN



KANCHEEPURAM TALUK

May symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Pallipalayam Vannapatti	Groundnut Millets	Coconut Millets Pulses Vegetables
2	Mahabalipuram	Groundnut Casuarine	Coconut Cashew Paddy
3	Mangadu Samanthapuram	Groundnut Millets Pulses	Paddy Vegetables Gingelly Ragi
4	Vallam Suramangalam Arasanatham	Groundnut Millets Pulses Sunflower	Paddy Ragi Sugarcane Sunflower Gingelly Vegetables
5	Kurumbalur Ammamet	Groundnut Millets Sunflower	Paddy Chillies Sugarcane







CROPS GROWN KANCHEEPURAM TALUK



REFERENCE

- District boundary -----
- Taluk boundary - - - - -
- Rivers 
- Tank 

LEGEND

-  1
-  2
-  3
-  5
-  6
-  MISCELLANEOUS
LAND TYPE

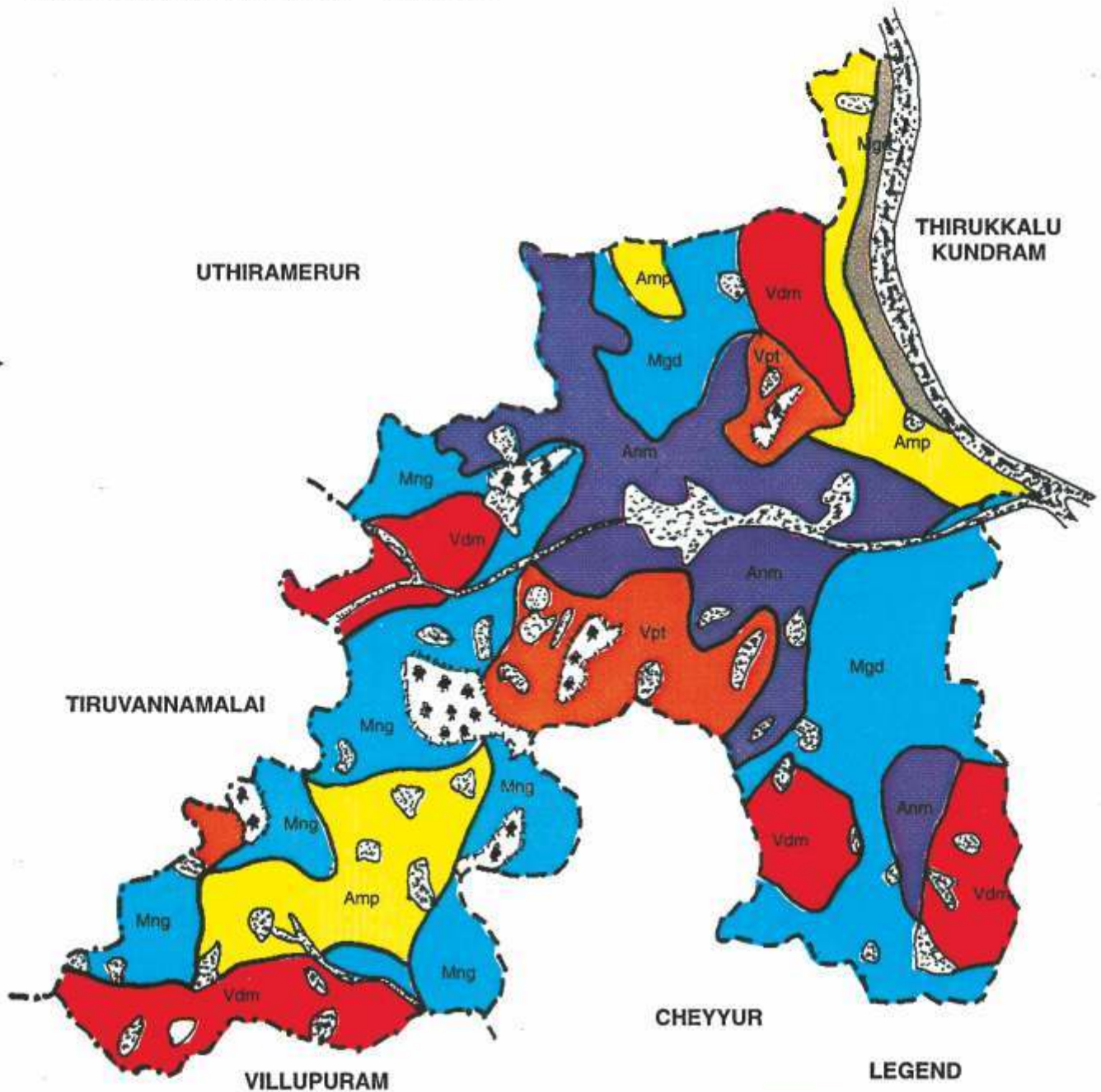
SOILS

MADURANTAKAM TALUK

Soil series	Symbol	Extent	
		ha	%
1. Mangalathupattu	Mng	21,590	28.41
2. Ammapet	Amp	10,570	13.91
3. Arasanatham	Anm	10,000	13.16
4. Vadamadurai	Vdm	9,228	12.15
5. Vanapatti	Vpt	7,682	10.11
6. Mangadu	Mgd	1,347	1.76
7. Forest and others	—	15,578	20.5
Total		75,995	100.00



SOILS MADURANTAKAM TALUK



- REFERENCE**
- District boundary -----
 - Taluk boundary - - - - -
 - River
 - Tank

- LEGEND**
- Mng MANGALATHUPATTY
 - Vdm VADAMADURAI
 - Vpt VANNAPATTY
 - Amp AMMAPET
 - Anm ARASANATHAM
 - Mgd MANGADU

VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

MADURANTAKAM TALUK

Name of the village	Fertility status (Kg/Ac)			Dominant soil series
	Nitrogen	Phosphorus	Potassium	
(1)	(2)	(3)	(4)	(5)
MADURANTAKAM BLOCK				
1. Ariyanur	61	10	77	Amp Vpt
2. Athiyur	54	11	73	Vdm
3. Andarakkam	62	9	76	Mng Vpt
4. Arungunam	56	11	106	Mng
5. Avarimedu	54	15	99	Mng Anm
6. Athivakkam	56	5	64	Mng Amp
7. Chinnavenmani	70	6	70	Mng Vdm
8. Chithamur	63	2	45	Amp
9. Chithiravadi	73	16	82	Mng Vpt
10. Dhevanoor	68	4	108	Mng Vpt
11. Dhevadhoor	63	5	110	Mng Vpt
12. Irumbedu	55	7	44	Vdm Vpt
13. Japudur	42	29	129	Mng Anm
14. Jameen Endathur	45	32	132	Mng Vpt
15. Kilvasalai	53	10	63	Mng
16. Kattudevadar	55	6	65	Vdm
17. Kollampakkam	67	17	53	
18. Kilkarantai	66	10	70	Mng
19. Kottivakkam	49	2	59	Amp Vpt
20. Kolathur	60	14	109	Amp
21. Kodithandalam	74	15	61	Vdm
22. Kumaravadi	37	3	26	Vdm
23. Karunagavacheri	55	14	58	Mng Vdm
24. Kunnangulathur	60	12	109	Anm Vpt
25. Kolappakkam	62	4	41	Mng Amp

(1)	(2)	(3)	(4)	(5)
26. Kendiraheri	67	9	37	Mng Vpt
27. Kadapperi	50	26	202	Mng Amp
28. Kavadoor	53	4	117	Mng
29. Kilkandai	65	10	120	Mng Mgd
30. Keeralavadi	70	11	130	Mng Vpt
31. Melvasalai	54	2	42	Mng Vdm
32. Mamandoor	84	8	60	Vdm Mgd
33. Mangalam	35	3	23	Anm Amp
34. Mulli	55	16	64	Mng Amp
35. Malaivaiyavoor	53	15	144	Vdm
36. Mambattu	60	4	69	Vdm Vpt
37. Moosivakkam	23	18	83	Vdm
38. Mambakkam	72	4	45	Mng Vpt
39. Mariputhur	40	5	57	Mng Vpt
40. Madurantakam	78	16	60	Amp Mng
41. Murukkanjeri	70	5	64	Mng Amp
42. Maruvalam	54	2	42	Mng Amp
43. Murukkambakkam	66	3	52	Mng
44. Meyyur	59	4	60	Vdm Mgd
45. Neelamangalam	35	3	23	Mng
46. Nesappakkam	192	2	58	Mng
47. Netrampakkam	64	17	180	Mng Vpt
48. Nallore	87	24	232	Vdm Vpt
49. Nallamoor	58	12	60	Mng Vdm
50. Neerpeir	30	29	85	
51. Nelli	51	32	102	Mng
52. Nelvoy	77	5	80	Anm
53. Neykuppi	52	5	60	Mng Vpt
54. Nethapakkam	75	17	180	Mng
55. Ozhavetti	54	8	50	Mng

(1)	(2)	(3)	(4)	(5)
56. Orangavali	42	4	77	
57. Onampakkam	70	10	85	Mng Amp
58. Poondi	63	7	111	Vpt Mng
59. Pavundhangaranai	63	4	74	Mng
60. Piappur	108	5	114	Vdm Mgd
61. Pazamathur	62	4	63	Vdm Mgd
62. Pukkathurai	36	4	26	Vdm
63. Palliyagaram	53	31	110	Mng Vpt
64. Puludhivakkam	58	3	71	Mng Vpt
65. Palayannor	54	16	139	Vdm Mgd
66. Padalam	69	15	88	Vdm Mgd
67. Pulipparakkoil	75	16	122	Vdm Mgd
68. Puliarangottai	76	17	130	Mng Anm
69. Pakkam	158	12	71	Mng Vpt
70. Puliarangottai	58	3	71	Mng Vpt
71. Peruveli	98	32	110	Mng Anm
72. Selattiyur	45	2	70	Mng Vpt
73. Seethandi	60	6	90	Mng Vpt
74. Sambadhinallore	60	5	81	Mng Amp
75. Soorai	70	7	85	Mng Amp
76. Seethalamangalam	65	7	55	Mng Vpt
77. Silavattam	74	8	45	Mng
78. Sirunallore	54	18	251	Amp
79. Saravananbakkam	90	7	108	Amp Mng
80. Thonnadu	60	10	90	Mng
81. Thennapattuvichur	70	12	85	Amp
82. Venmani	66	6	33	Mng Amp
83. Vettur	63	4	41	Mng Amp
84. Vilappattu	56	9	44	Amp Mng
85. Vellarai	176	13	105	Mng Vpt

(1)	(2)	(3)	(4)	(5)
86. Vedavakkam	64	5	39	Mng Amp
87. Vaiyavoor	175	12	90	Vdm Vpt
88. Vasanthavadi	105	14	135	Mng
89. Vilagam	58	50	297	Amp Mng
90. Vilvarayanallore	53	12	71	Mng Amp
91. Vilanganoor	110	10	75	Mng
ACHARAPAKKAM BLOCK				
1. Annangal	35	8	65	Amp
2. Anandhamangalam	40	9	79	Vdm Amp
3. Allur	49	2	91	Amp
4. Acharapakkam	104	1	20	Mng Vpt
5. Athur	61	10	77	Mng Amp
6. Allanur	75	9	95	Amp
7. Ammanur	60	15	76	Mng Vdm
8. Anaikunnam	49	6	73	Amp Mng
9. Athivakkam	56	5	64	Mng Amp
10. Alapakkam	68	10	65	Mng Vpt
11. Agili	60	4	52	Vdm Mng
12. Baburayampet	35	7	34	Amp
13. Bagavanganarai	149	3	103	
14. Chithamoor	64	7	49	Amp Vdm
15. Edaiyalam	61	5	53	Amp Vdm
16. Elappakkam	65	6	65	Amp Vdm
17. Endathur	75	10	90	Mng
18. Kongarayampattu	55	5	92	Anm
19. Kolathur	60	14	109	Amp
20. Kilathivakkam	146	12	118	Amp
21. Karasangal	62	11	81	Amp
22. Kottagaiyambakkam	67	17	53	Amp
23. Kadamalaiputhur	67	20	100	Amp Mng
24. Kattukkaranai	71	6	52	Mng Vpt
25. Keezhappatta	59	3	52	Mng Vpt

(1)	(2)	(3)	(4)	(5)
26. Kattukoodalore	63	9	51	Mng Mgd
27. Koodalore	51	3	70	Mng Mgd
28. Kazanipakkam	62	4	44	Vpt Mng
29. Keezhamoor	51	4	70	Vdm Mng
30. Kadappakkam	62	4	44	Mng Vpt
31. Karunagaravilagam	77	9	43	Mng
32. Kolthur	60	12	109	Amp Mng
33. Karigili	62	11	227	Mng
34. Koziyalam	58	19	53	Mng
35. Kadambur	62	5	60	Mng Vpt
36. Kiliyanagar	59	4	41	Vdm Mng
37. Ladakkarantai	66	15	70	Vdm Anm
38. Munnakkulam	61	16	64	Amp
39. Marungai	58	6	234	Amp
40. Madhur	84	8	60	Vdm
41. Mogalvadi	58	6	234	Mng Vpt
42. Minnalaithamoor	61	16	64	Amp
43. Minnalkiminnal	62	15	70	Amp
44. Melamoor	78	12	66	Vdm
45. Mathur	50	11	42	Vdm Mng
46. Muniyanthangal	68	5	64	Mng
47. Morapakkam	66	3	52	Amp
48. Madurai	53	15	144	Mng Vpt
49. Nelli	51	32	102	Mng Vpt
50. Nedungal	52	5	60	Amp
51. Orathi	53	8	50	Vdm Amp
52. Orathur	42	4	77	Vdm
53. Poragai	72	26	231	Amp
54. Pinnampoondi	63	7	111	Amp
55. Perumberkandigai	68	4	66	Mng
56. Pasunkaranai	63	4	74	Vdm Mng
57. Padhiri	76	11	30	Vdm Vpt
58. Perumbakkam	67	93	132	Anm
59. Puducheri	66	13	148	Mng
60. Pappanellore	60	5	81	Anm Amp

(1)	(2)	(3)	(4)	(5)
61. Pambayambattu	51	59	281	Amp Mng
62. Pallipet	63	12	51	Mng Vpt
63. Ravuthanalore	59	6	62	Mng Vpt
64. Rajapalayam	53	2	41	Mng
65. Siruvangunam	80	7	108	Amp
66. Senaianeri	34	7	31	Amp
67. Sirudhanoor	64	3	85	Amp Vdm
68. Seethapuram	55	5	61	Mng Amp
69. Sendivakkam	84	6	148	Anm Mng
70. Sinthamani	55	19	61	Mng Vpt
71. Sirukanellore	195	8	40	Mng Amp
72. Sithathoor	64	3	85	Vdm Mng
73. Semboondi	54	6	53	Vdm Mng
74. Siruperupadi	56	6	51	Anm Vdm
75. Thinnanoor	46	10	81	Anm
76. Thimmapuram	68	7	50	Anm
77. Thozupedu	67	4	51	Anm Amp
78. Thirumukkadu	58	13	173	Mng Vpt
79. thandalam	42	10	56	Anm
80. Thuraiyur	63	5	44	Anm Amp
81. Thandrai	69	21	152	Amp Vpt
82. Thittalam	83	13	49	Mng
83. Unaimalai	53	2	61	Anm Mng
84. Uthamanllore	65	7	56	Anm Mng
85. Veppangaranai	69	17	112	Vdm Mng
86. Vadakkupudur	70	6	110	Vdm Mng
87. Vadamanapakkam	58	5	47	Anm
88. Vinnampoondi	38	10	91	Vdm Mng
89. Veliampakkam	55	10	54	Amp
90. Vedanthangal	58	5	39	Anm Mng
91. Vinayaganellore	54	12	71	Mng Vpt
92. Valayaputtur	71	1	71	Amp Mng
93. Vellaputtur	67	2	33	Amp
94. Vaippanai	69	17	112	Anm
95. Vilangadu	105	14	135	Mng Vpt

LAND CAPABILITY

MADURANTAKAM TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
21,590	II es	Mangalathupattu	Erosion Surface run off	Soil conservation
10,000	II ws	Arasanatham	Soil moisture Alkalinity	Improving Drainage Selection of crops Soil reclamation
19,798	II s	Vadamadurai	Moderately Alkalinity Poor fertility Heavy texture cracks	Improving Drainage Selection of crops
1,347	III s	Mangadu	Poor surface Texture Soil gravelliness	Soil texture development Selection of crops
7,682	III es	Vannapatti	Surface run off Erosion Topography Shallow depth	Soil conservation reclamation Selection of crops

Class

- II -** Good cultivable lands that have moderate limitations for sustained use under agriculture
- III -** Moderately good cultivable lands that have severe limitations for sustained use under agriculture

Sub class

- e -** Erosion and run off
- w -** Excess water
- s -** Root zone limitations

LAND IRRIGABILITY

MADURANTAKAM TALUK

Area (ha)	Land irrigability classification	Soil series	Limitation
21,590	2 st	Mangalathupattu	Erosion Topography Moderately run off
10,000	2 s	Arasanatham	Moderately Alkaline Poor water retentivity
19,798	2 sd	Ammapet Vadamadurai	Floods Stratification Alkalinity Impeded drainage
1,347	3 s	Mangadu	Poor surface texture Low water holding capacity Soil gravelliness
7,682	3 st	Vannapatti	Topography Erosion Poor water retentivity High run off

Class

- 2 -** Lands that have moderate limitations for sustained use under irrigation
- 3 -** Lands that have severe limitations for sustained use under irrigation

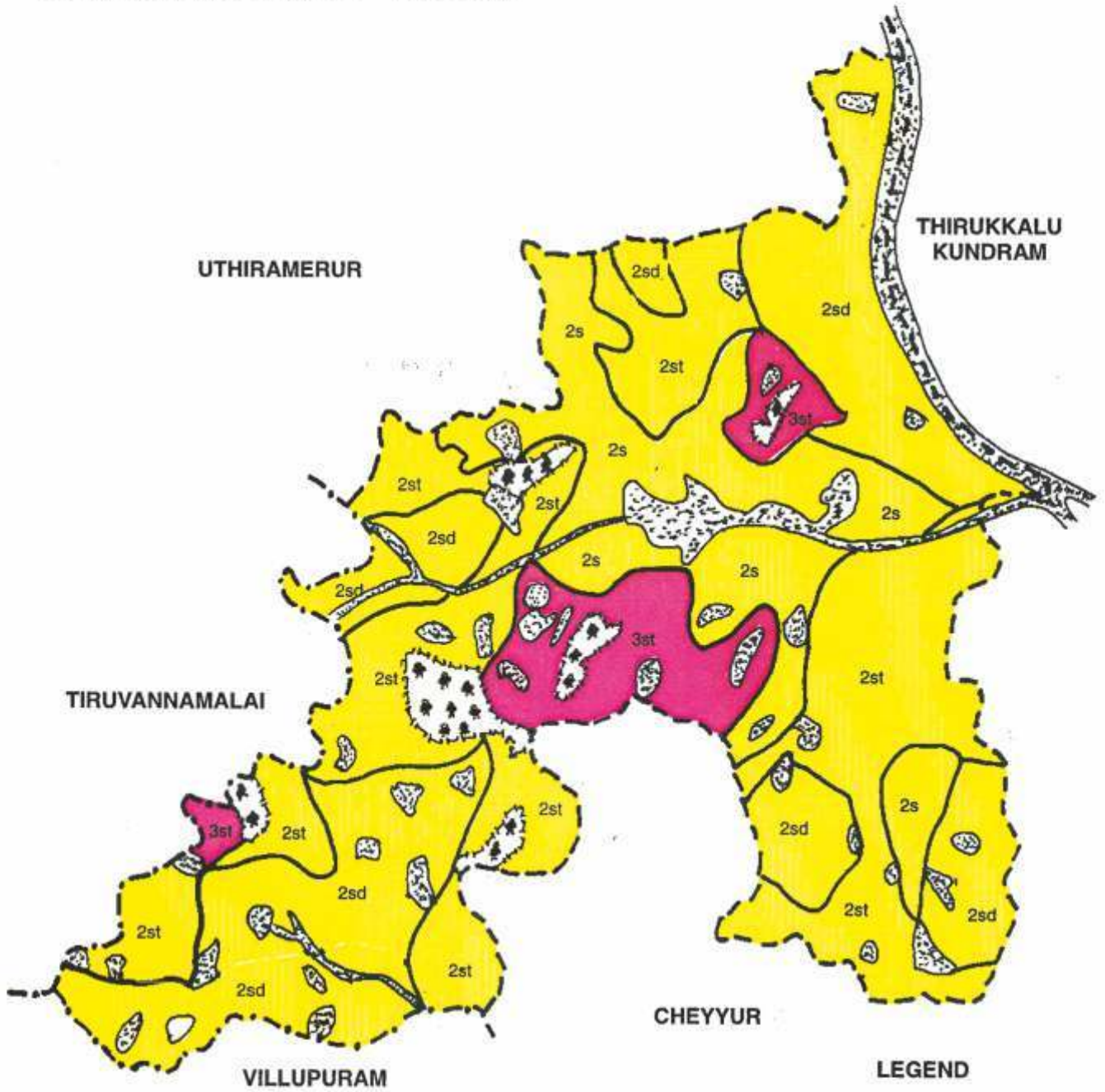
Sub class

- s** - Soil limitation
- t** - Topography
- d** - Drainage



LAND IRRIGABILITY

MADURANTAKAM TALUK



REFERENCE

- District boundary ————
- Taluk boundary - - - - -
- River
- Tank

LEGEND

CLASS

- MODERATE LIMITATION
- SEVERE LIMITATION

SUB CLASS

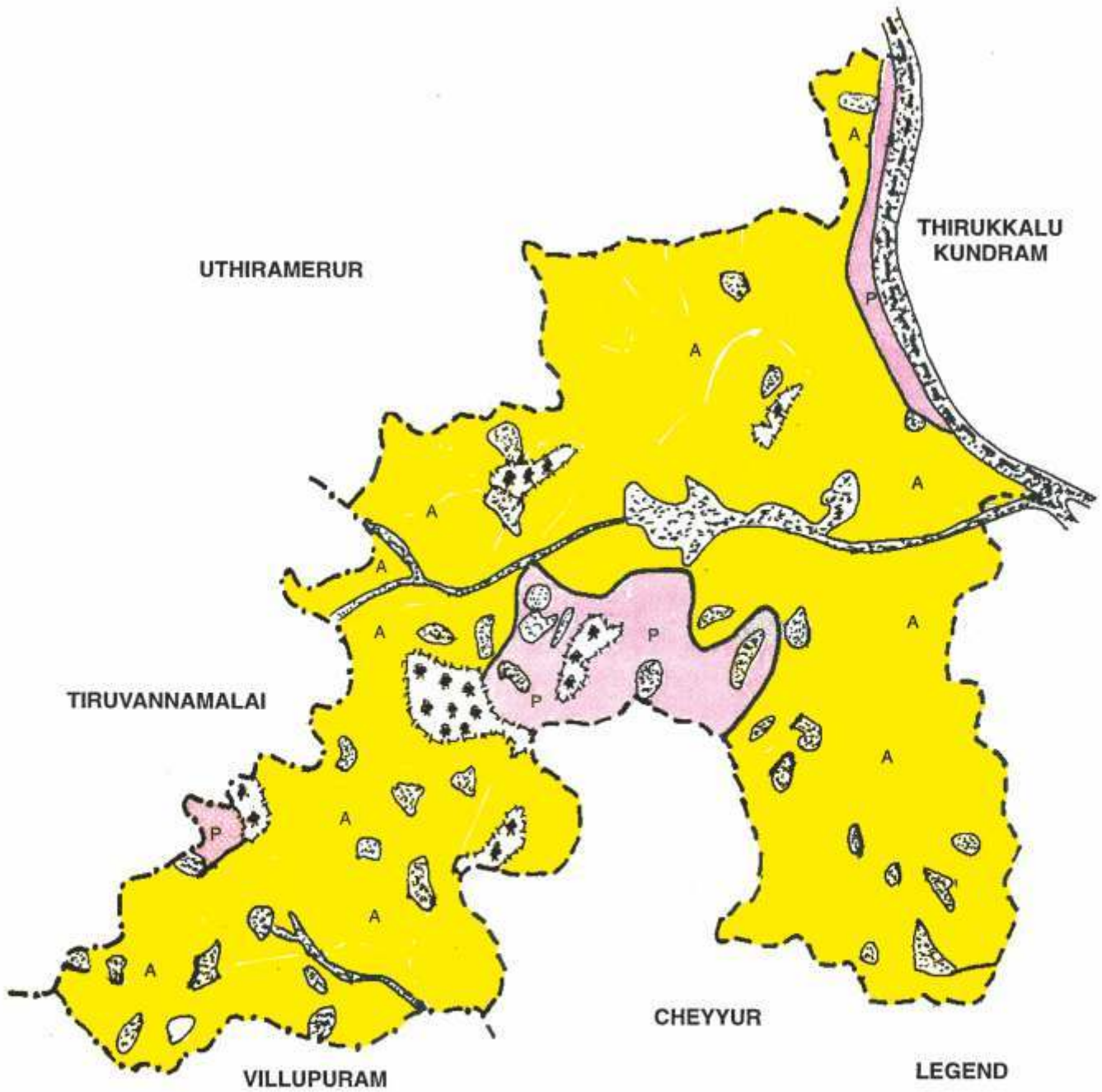
- s - SOIL LIMITATION
- t - TOPOGRAPHY
- d - DRAINAGE

SOIL PRODUCTIVITY

MADURANTAKAM TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
9,029	8 - 19	Poor	Vannapatti Mangadu
51,388	20 - 34	Average	Mangalathupattu Vadamadurai Arasanatham Ammamet

SOIL PRODUCTIVITY MADURANTAKAM TALUK



REFERENCE

- District boundary - - - - -
- Taluk boundary - - - - -
- River
- Tank

LEGEND

-  AVERAGE
-  POOR

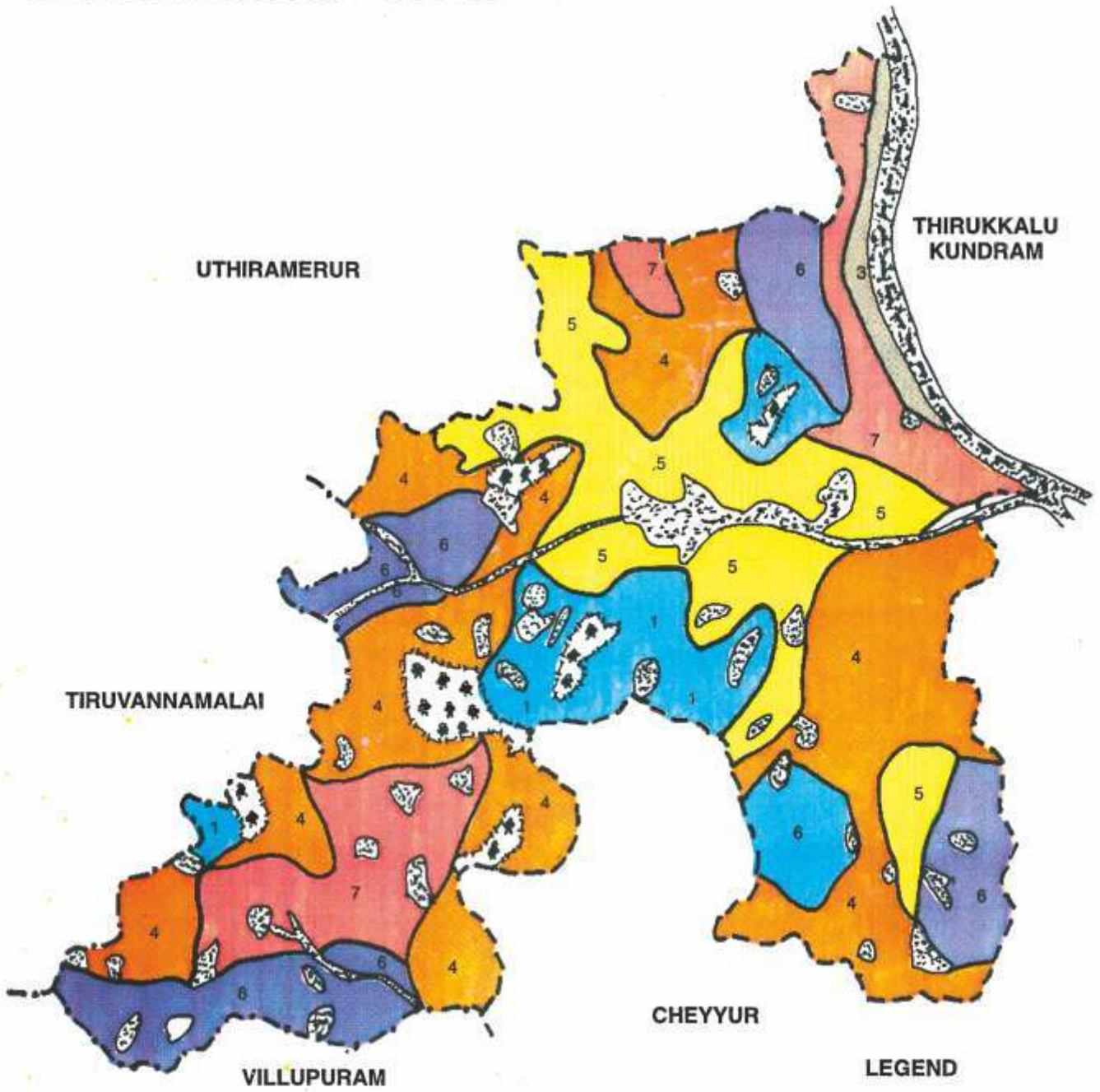
CROPS GROWN

MADURANTAKAM TALUK

May symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Vannapatti	Groundnut Millets Pulses	Coconut Millets Pulses Vegetables
2	Mangadu	Groundnut Millets Pulses	Paddy Vegetables Gingelly Ragi
4	Mangalathupattu	Groundnut Millets Pulses	Paddy Ragi Sugarcane Sunflower Gingelly
5	Arasanatham	Groundnut Millets Sunflower	Paddy Ragi Sugarcane Sunflower Vegetables
6	Vadamadurai	Groundnut Millets Sunflower	Paddy Sugarcane Ragi Chillies Vegetables
7	Ammamet	Groundnut Sunflower	Paddy Chillies Sugarcane









CROPS GROWN MADURANTAKAM TALUK



REFERENCE

- District boundary - - - - -
- Taluk boundary - - - - -
- River
- Tank

LEGEND

-  1
-  3
-  4
-  5
-  6
-  7

SOILS

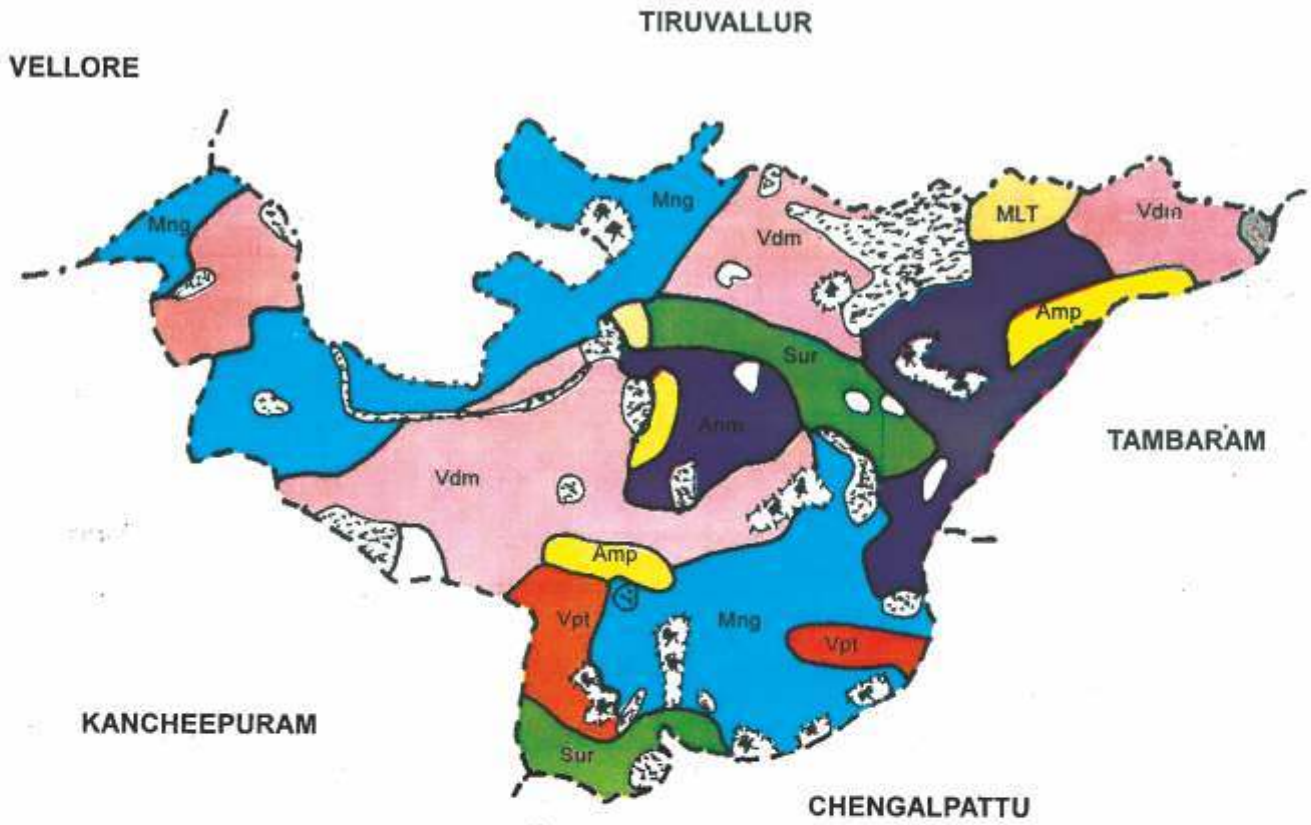
SRIPERUMBUDUR TALUK

Soil series	Symbol	Extent	
		ha	%
1. Vadamadurai	Vdm	16,637	24.81
2. Mangalathupattu	Mng	16,100	24.02
3. Arasanatham	Anm	8,524	12.72
4. Suramangalam	Sur	3,724	5.55
5. Vanapatti	Vpt	2,826	4.22
6. Ammapet	Amp	2,218	3.30
7. Mahabalipuram	Mbm	550	0.82
8. Forest and others	MCT	16,467	24.56
Total		67,046	100.00



SOILS

SRIPERUMBUDUR TALUK



REFERENCE

- District boundary
- Taluk boundary
- Rivers
- Tank
- Forest boundary

LEGEND

- Mng MANGALATHUPATTY
- Vdm VADAMADURAI
- Vpt VANNAPATTY
- Sur SURAMANGALAM
- Amp AMMAPET
- Arms ARASANATHAM
- Mbm MAHABALIPURAM
- MLT MISCELLANEOUS LAND TYPE

VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

SRIPERUMBUDUR TALUK

Name of the village	Fertility status (Kg/Ac)			Dominant soil series
	Nitrogen	Phosphorus	Potassium	
(1)	(2)	(3)	(4)	(5)
SRIPERUMBUDUR BLOCK				
1. Alagur	76	26	128	Vdm
2. Ayagulathur	67	29	135	Mng
3. Araneri	60	6	38	Mng
4. Akkamapuram	75	11	51	Vdm
5. Boodalur	62	2	74	Vdm Mng
6. Banruti	54	51	420	Mng Sur
7. Echur	63	4	42	Vdm Mng
8. Elimiyangottore	32	5	34	Vdm
9. Edaiyarpakkam	53	23	123	Vdm
10. Eganapuram	58	7	124	Vdm
11. Ettikuthimedu	34	6	85	Vdm Vpt
12. Gunagarampakkam	65	6	130	Vdm
13. Gunduperumbedu	59	21	73	Mng Vdm
14. Irungattukootai	86	12	70	Vdm
15. Irumbedu	69	15	115	Mng Sur
16. Irungulam	56	6	49	Vdm Mng
17. Jambodai	45	12	76	Vdm Mng
18. Kandamangalam	47	40	360	Mng
19. Katrampakkam	73	6	93	Mng Vdm
20. Kondavakkam	106	7	65	Mng Vdm
21. Kolathur	73	25	13	Sur
22. Kiloy	75	11	85	Mng
23. Kaduvancheri	61	3	52	Anm
24. Koothavakkam	57	12	71	Vdm Mng
25. Keeranallore	47	11	24	Vdm

(1)	(2)	(3)	(4)	(5)
26. Kunnam	58	6	101	Vdm Mng
27. Kandivakkam	54	6	48	Mng Vdm
28. Kappangottur	54	4	123	Vdm
29. Kottur	74	30	74	Vdm
30. Kannathangal	47	40	263	Vpt
31. Kandhur	66	2	55	Vdm Mng
32. Maganyam	54	16	62	Mng Amp
33. Mannur	52	10	117	Mng
34. Mevalurkuppam	56	8	61	Mng Vdm
35. Mambakkam	53	8	48	Vdm
36. Mathur	59	16	127	Mng Vpt
37. Melmaduramangalam	56	7	65	Vdm Mng
38. Molasur	58	13	63	Vdm Mng
39. Magadevimangalam	73	8	140	Mng Vdm
40. Maduramangalam	49	5	70	Vdm
41. Mettupalayam	61	15	87	Mng Vpt
42. Nandimedu	69	8	85	Vdm Mng
43. Navalur	72	35	192	Mng Sur
44. Nallamperumbedu	55	14	117	Vdm
45. Nemili	62	7	69	Mng
46. Oddangavanai	52	7	73	Sur
47. Oragadamadevimagalam	52	7	73	Mng Sur
48. Pichivakkam	55	32	177	Mng
49. Podavoor	61	9	133	Vdm Mng
50. Pappankuzi	58	9	160	Vdm
51. Perenjambakkam	67	26	110	Vdm
52. Pondhur	61	9	133	Vdm Mng
53. Padicheri	79	15	50	Mng
54. Pennalur	72	6	94	Mng Anm
55. Pillaipakkam	51	3	100	Amp Mng

(1)	(2)	(3)	(4)	(5)
56. Puduperi	49	4	76	Mng
57. Ramanujapuram	49	19	119	Vdm Mng
58. Singlepadi	63	3	77	Mng
59. Sogandi	58	10	204	Mng
60. Sirumangadu	45	3	72	Vdm
61. Sandhavelur	53	13	90	Vdm Mng
62. Selvazimangalam	50	12	88	Vdm Mng
63. Sendhamangalam	69	7	62	Vdm Mng
64. Sivakoodal	64	3	59	Vdm Mng
65. Sirukalathur	55	3	43	Mng Anm
66. Sirukiloy	53	4	39	Mng
67. Sengadu	65	19	79	Mng
68. Thandalam	58	80	65	Mng Anm
69. Thiruperumbudur	62	8	93	Mng Vpt
70. Thirumanagalam	42	3	71	Vdm Mng
71. Thulanapuram	62	4	38	Mng
72. Vittavidagai	65	2	50	Vdm Mng
73. Vaippur	54	5	86	Amp Vpt
74. Vallam	55	6	74	Amp
75. Valathanjeri	57	5	39	Vdm
76. Vadagal	39	11	63	Vdm
77. Vadamangalam	88	36	262	Mng Vdm
78. Vengadu	64	21	105	Mng Anm
79. Vellarai	60	25	96	Amp
80. Valarapuram	66	21	71	Mng Vdm
KUNNATHUR BLOCK				
1. Amarambedu	78	16	75	Mng Vpt
2. Achananjeri	56	9	81	Mng Anm
3. Adhanur	56	8	34	Anm
4. Arambakkam	40	17	57	Mng Anm
5. Ammanambakkam	81	4	19	Mng Anm

(1)	(2)	(3)	(4)	(5)
6. Badarvadi	64	11	100	Mng Vdm
7. Baraniputhur	103	14	114	Sur Mng
8. Chinnapanicheri	52	6	38	Sur Vpt
9. Erivakkam	55	7	25	Mng
10. Erumayur	49	13	200	Sur
11. Eaichur	62	3	37	Mng Sur
12. Gerugambakkam	62	29	210	
13. Irandangattalai	86	12	70	Anm
14. Iyyappanthangal	54	9	77	Anm
15. Kolathuvanjeri	62	9	27	Mng Amp
16. Kolappakkam	64	9	92	Vdm Anm
17. Kovoov	56	10	31	Vdm Anm
18. Kozumanivakkam	60	8	58	Anm
19. Kollacheri	76	8	35	Vdm
20. Kunrathur	24	8	7	Mbm Mng
21. Kavanur	77	5	116	Anm
22. Karunagaracheri	52	3	41	Mng Vpt
23. Karasangal	65	7	52	Mng Anm
24. Kavhoor	66	3	65	Mng Anm
25. Kattupakkam	50	2	37	Anm
26. Keezakazani	101	2	45	Vpt
27. Kuthanur	60	8	51	Vpt
28. Kangivakkam	54	6	48	Mng Anm
29. Karanithangal	73	5	45	Mng Vpt
30. Koozangacheri	66	8	55	Vdm
31. Kavalkani	101	2	45	Mng Vpt
32. Mangadu	49	11	72	Anm
33. Moulivakkam	45	12	102	Vdm Anm
34. Madanandapuram	75	6	32	Vdm Anm
35. Mugalivakkam	57	—	36	Vdm Anm

(1)	(2)	(3)	(4)	(5)
36. Manappakkam	55	14	39	Mng
37. Mooramkattalai	72	6	62	Vdm Anm
38. Mananjeri	52	10	66	Anm
39. Manimangalam	45	13	55	Mng Vpt Anm
40. Madambakkam	53	8	48	Anm Mng
41. Malaipattu	53	15	67	Mng Vpt
42. Navalur	72	35	192	Mng Amp
43. Neelamangalam	55	9	79	Vpt Mng
44. Natrasampettai	60	12	58	Mng Sur
45. Nariyambakkam	73	—	60	Vdm
46. Naduveerapattu	66	9	79	Mng Vdm
47. Nallore	62	6	45	Mng Anm
48. Nandambakkam	81	10	64	Mng Vdm
49. Oragadam	56	6	74	Mng Sur
50. Orathur	57	7	72	Vpt Mng
51. Panapakkam	64	5	28	Mng Vpt
52. Panaiyur	50	5	34	Mng Sur
53. Pattu	53	10	131	Mng Anm
54. Paducheri	79	15	30	Mng
55. Pazanthandalam	70	18	168	Mng Amp
56. Poonthandalam	50	6	32	Mng Amp
57. Periyapanicheri	73	21	202	Sur Anm
58. Srinivasauram	67	—	41	Vdm Anm
59. Sikkarayapuram	73	10	61	Anm Sur
60. Sirukalathur	78	6	118	Vdm

(1)	(2)	(3)	(4)	(5)
61. Somangalam	57	5	128	Sur Vpt
62. Salamangalam	56	10	70	Mng Vpt
63. Sirumathur	56	7	64	Mng Vpt
64. Sennarkuppam	66	32	80	Vpt Mng
65. Siruvanjur	55	3	84	Mng Anm
66. Sorappanajeri	56	4	45	Sur Vpt
67. Thiruvembutheri	62	8	93	Mng Vpt
68. Thandalkazani	70	6	40	Mng Anm
69. Thirumadivakkam	68	4	136	Sur
70. tharapakkam	61	—	28	Sur
71. Thandalam	58	8	65	Sur
72. Thirunageswaram	60	5	68	Anm
73. Thelliyaragaram	57	9	56	Anm
74. Umaiyalbaranicheri	62	16	55	Mng Sur
75. Vellerithangal	60	7	77	Anm Vpt
76. Vanzumanjeri	57	5	39	Mng Vpt
77. Vadamalpakkam	74	12	68	Mng Vpt
78. Vattampakkam	63	15	89	Mng Anm
79. Valayakkarantai	58	10	84	Mng Sur
80. Vadakkupattu	57	11	68	Mng Sur
81. Varadarajapuram	63	—	22	Mng
82. Venkatapuram	64	11	100	Anm

LAND CAPABILITY

SRIPERUMBUDUR TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
16,100	II es	Mangalathupattu	Erosion Surface run off	Soil conservation
12,248	II ws	Arasanatham Suramangalam	Surface moisture Alkalinity	Improving Drainage Selection of crops Soil reclamation
18,855	II s	Vadamadurai Ammamet	Moderately Alkalinity soil crust Poor Drainage cracks	Improving Drainage Selection of crops
550	III s	Mahabalipuram	Poor surface Texture Soil gravelliness	Soil texture development Selection of crops
2,826	III es	Vannapatti	Surface run off Topography Shallow depth	Soil conservation reclamation Selection of crops

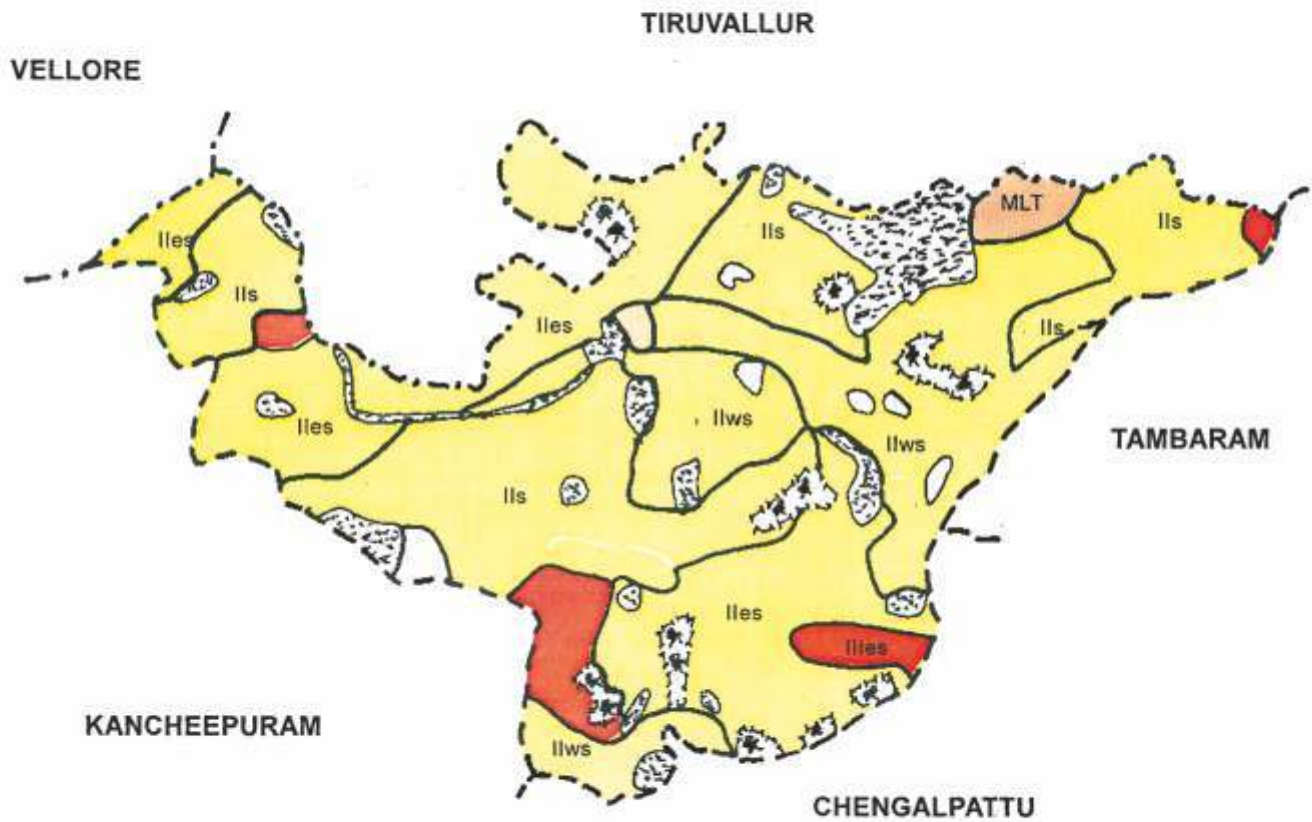
Class

- II** - Good cultivable lands that have moderate limitations for sustained use under agriculture
- III** - Moderately good cultivable lands that have severe limitations for sustained use under agriculture

Sub class

- e** - Erosion and run off
- w** - Excess water
- s** - Root zone limitations






LAND CAPABILITY SRIPERUMBUDUR TALUK



KANCHEEPURAM




CHENGALPATTU

REFERENCE

- District boundary 
- Taluk boundary 
- Rivers 
- Tank 
- R.F. 

LEGEND

CLASS

-  GOOD CULTIVABLE LANDS
-  MODERATELY GOOD CULTIVABLE LANDS
-  MISCELLANEOUS LAND TYPE

SUB CLASS

- e - EROSION & RUNOFF
- w - EXCESS WATER
- s - ROOT ZONE LIMITATION

LAND IRRIGABILITY

SRIPERUMBUDUR TALUK

Area (ha)	Land irrigability classification	Soil series	Limitation
16,100	2 st	Mangalathupattu	Erosion Topography moderately run off
12,248	2 s	Arasanatham Suramangalam	Moderately alkaline Poor water retentivity
18,855	2 sd	Ammapet Vadamadurai	Floods stratification alkalinity Impeded drainage
550	3 s	Mahabalipuram	Poor surface texture Low water holding capacity Soil gravelliness
2,826	3 st	Vannapatti	Topography Erosion poor water retentivity High run off

Class

- 2** - Lands that have moderate limitations for sustained use under irrigation
- 3** - Lands that have severe limitations for sustained use under irrigation

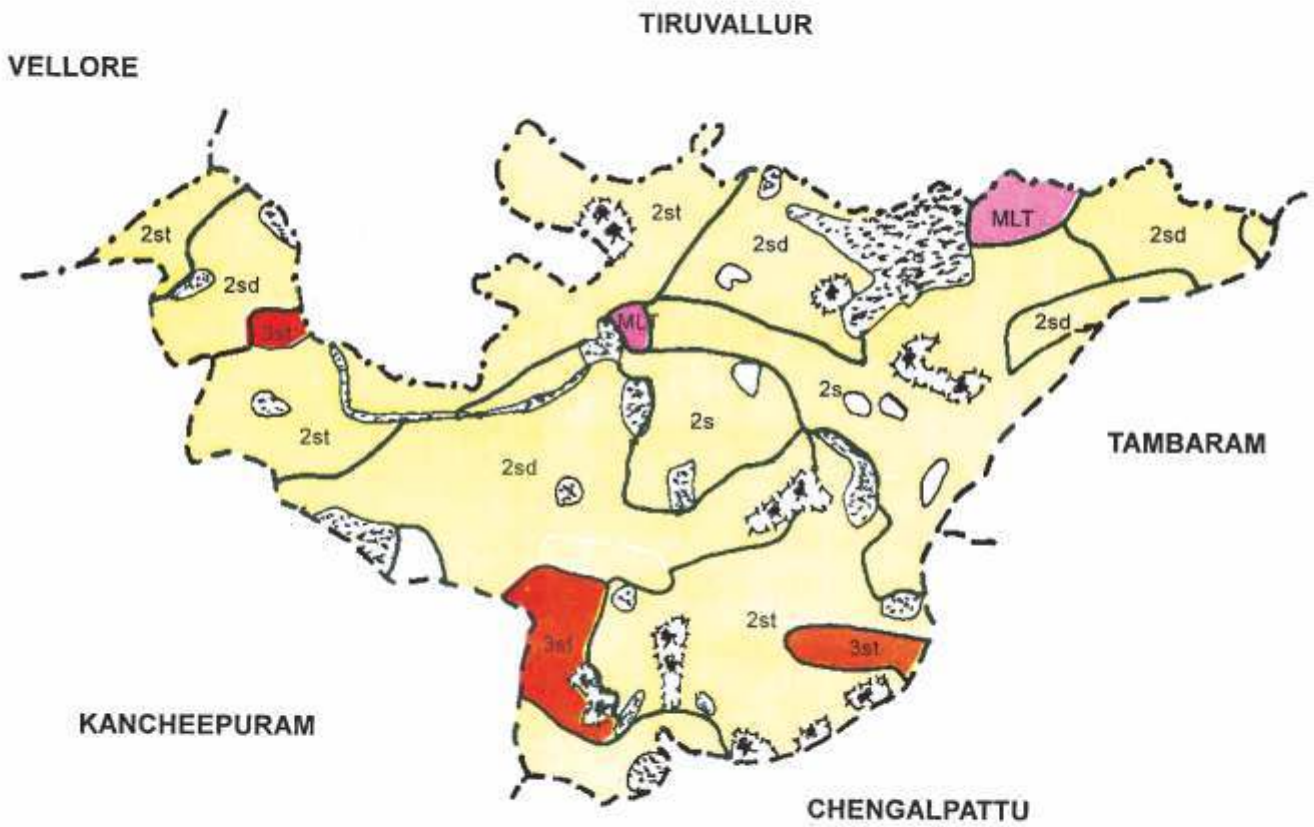
Sub class

- s** - Soil limitation
- t** - Topography
- d** - Drainage



LAND IRRIGABILITY

SRIPERUMBUDUR TALUK







KANCHEEPURAM

CHENGALPATTU




TAMBARAM

REFERENCE

- District boundary 
- Taluk boundary 
- Tank 
- Forest boundary 

LEGEND

CLASS

-  MODERATE LIMITATION
-  SEVERE LIMITATION
-  MISCELLANEOUS LAND TYPE

SUB CLASS

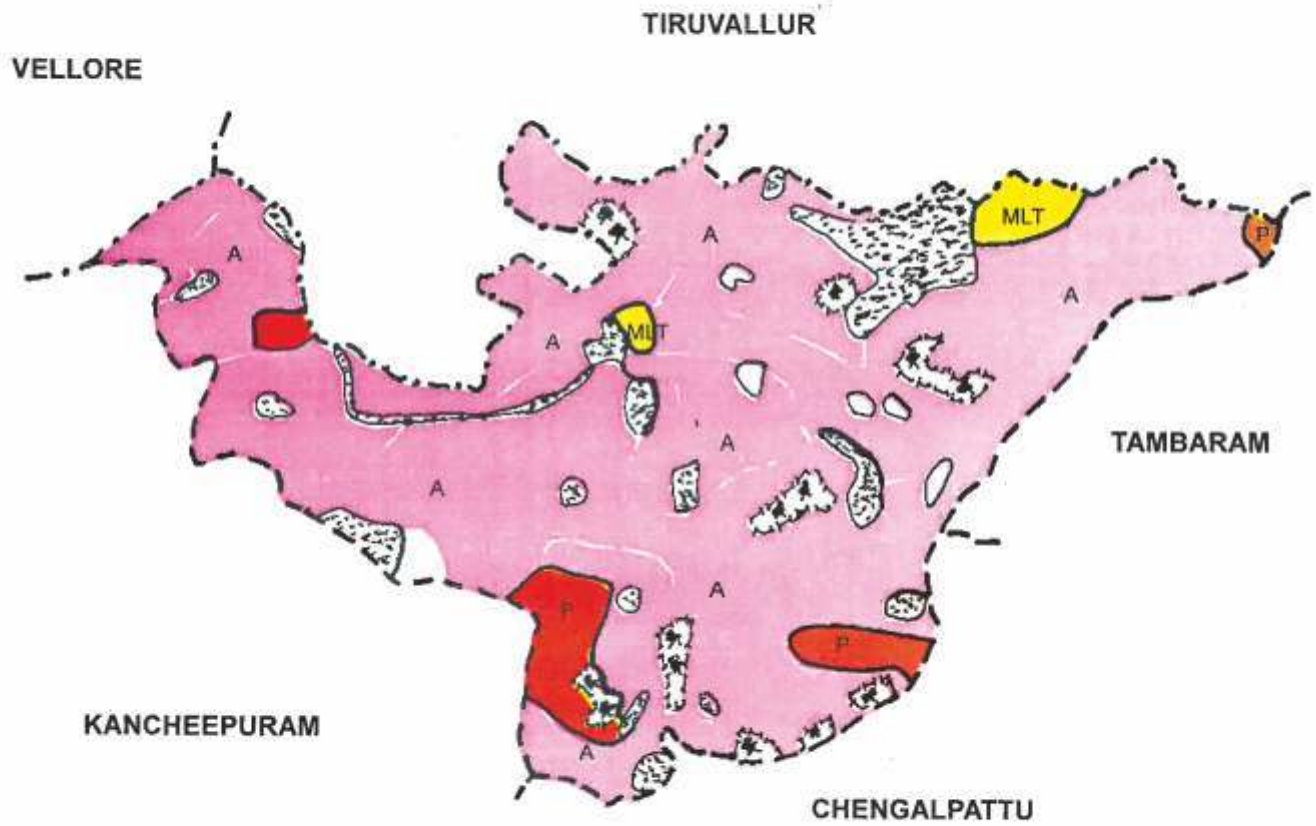
- s - SOIL LIMITATION
- t - TOPOGRAPHY
- d - DRAINAGE

SOIL PRODUCTIVITY

SRIPERUMBUDUR TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
3,376	8 - 19	Poor	Vannapatti Mahabalipuram
47,203	20 - 34	Average	Mangalathupattu Arasanatham Suramangalam Vadamadurai Ammamet




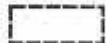
SOIL PRODUCTIVITY SRIPERUMBUDUR TALUK






KANCHEEPURAM

CHENGALPATTU

REFERENCE

- District boundary 
- Taluk boundary 
- Tank 
- Forest boundary 

LEGEND

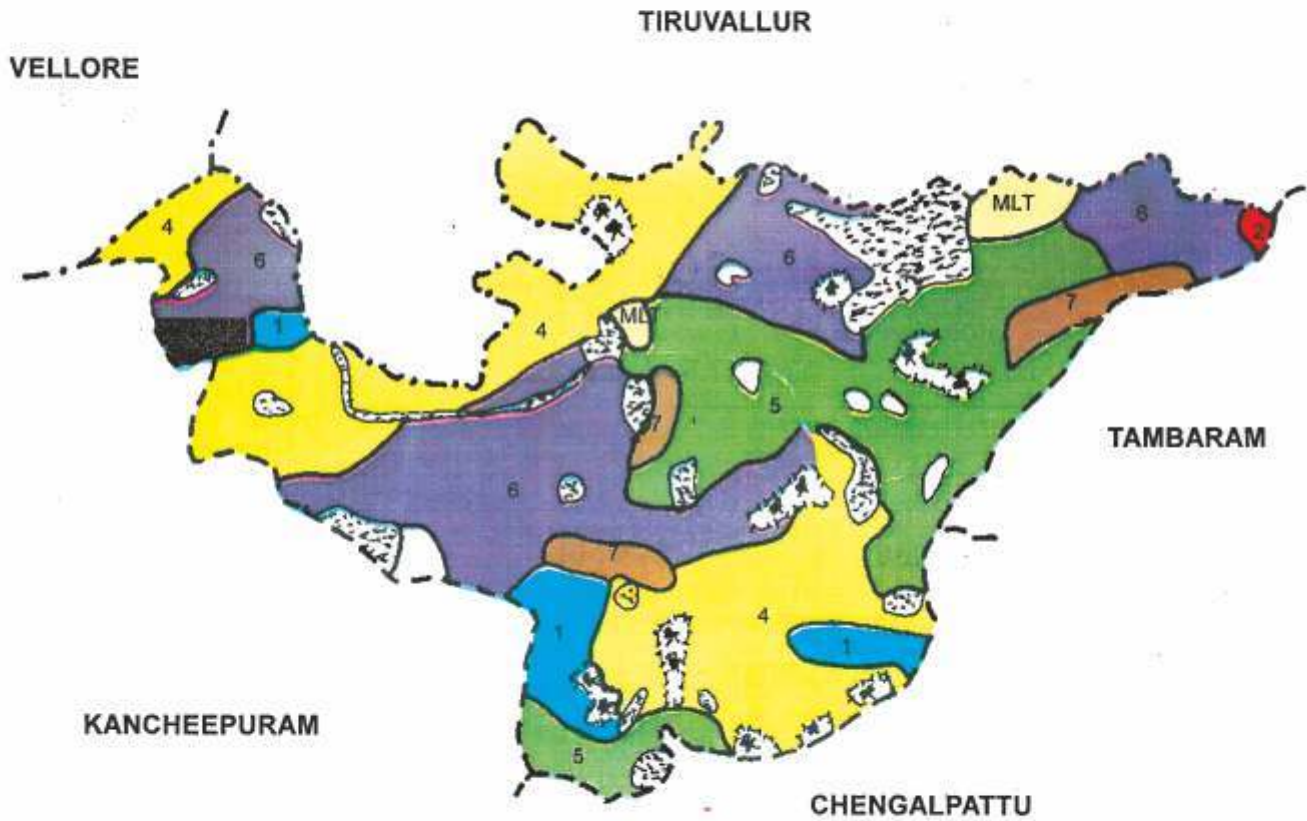
-  AVERAGE
-  POOR
-  MISCELLENEOUS LAND TYPE

CROPS GROWN

SRIPERUMBIDUR TALUK

May symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Vannapatti	Groundnut Millets Pulses	Coconut Millets Pulses Vegetables
2	Mahabalipuram	Groundnut Casuarina	Coconut Cashew Paddy
3	Mangalathupattu	Groundnut Milletes Pulses	Paddy Ragi Sugarcane Sunflower Gingelly
5	Suramangalam Arasanatham	Groundnut Millets Sunflower	Paddy Ragi Sugarcane Sunflower Gingelly
6	Vadamadurai	Groundnut Millets Sunflower	Paddy Sugarcane Ragi Chillies Vegetables
7	Ammamet	Groundnut Sunflower	Paddy Sugarcane Chillies

CROPS GROWN SRIPERUMBUDUR TALUK



REFERENCE

District boundary	-----
Taluk boundary	-----
Rivers	
Tank	
Forest boundary	

LEGEND

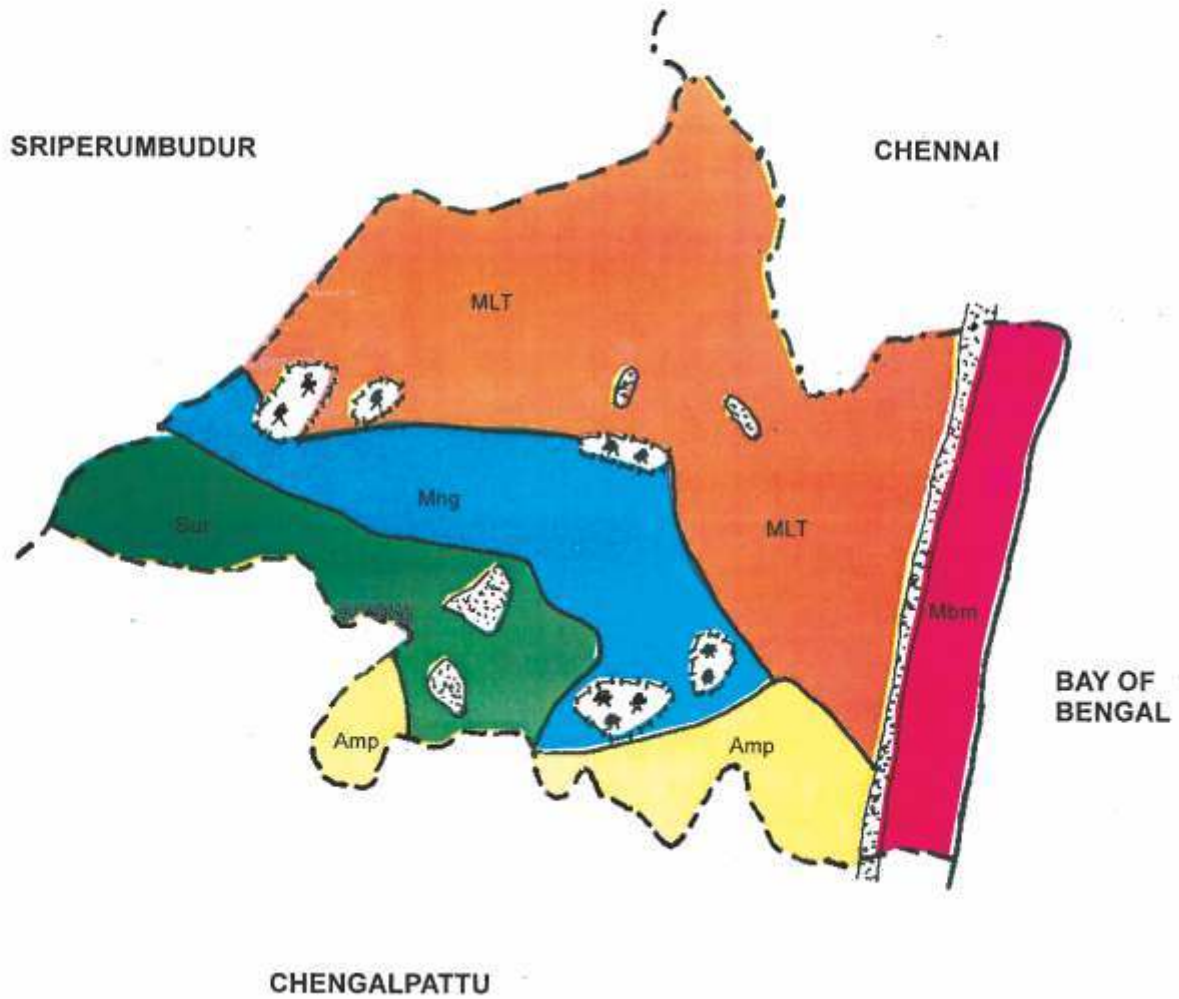
	1
	2
	4
	5
	6
	6
	MISCELLANEOUS LAND TYPE

SOILS





TAMBARAM TALUK

Soil series	Symbol	Extent	
		ha	%
1. Mangalathupattu	Mng	3,260	14.99
2. Suramangalam	Sur	2,000	9.20
3. Mahabalipuram	Mbm	1,500	6.90
4. Ammapet	Amp	1,000	4.61
5. Forest and Miscellaneous land type	MLT	31,989	64.32
Total		21,749	100.00






SOILS TAMBARAM TALUK



REFERENCE

- District boundary 
- Taluk boundary 
- Forest boundary 
- River 

LEGEND

-  Mng MANGALATHUPATTY
-  Sur SURAMANGALAM
-  Amp AMMAPET
-  Mbm MAHABALIPURAM
-  MLT MISCELLANEOUS LAND TYPE

VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

TAMBARAM TALUK

Name of the village	Fertility status (Kg/Ac)			Dominant soil series
	Nitrogen	Phosphorus	Potassium	
(1)	(2)	(3)	(4)	(5)
St. THOMAS Mt. BLOCK				
1. Agaramthen	42	19	45	Mng Sur
2. Arasankazani	63	10	49	Amp
3. Chithalapakkam	74	10	146	Mng Sur
4. Chittalapakkam	74	11	146	Mng Amp
5. Enjambakkam	36	2	70	Mbm
6. Gowriwakkam	65	7	101	Mng
7. Erumbuliyur	67	17	57	Mng
8. Jalladiyampettai	68	15	91	Amp
9. Karappakkam	92	35	150	Amp Mbm
10. Kovilanjeri	62	15	108	Mng
11. Kowlbazaar	19	8	64	
12. Kovilampakkam	68	32	137	Sur
13. Kaspapuram	66	17	158	Mng Sur
14. Medavakkam	62	12	69	Mng Sur
15. Madurapakkam	97	7	20	Mng
16. Meenampakkam	98	10	175	Mng
17. Moovarasampattu	73	8	185	Mng Sur
18. Madichur	42	4	12	Mng Sur
19. Meedichur	66	12	95	Mng
20. Madambakkam	105	8	80	Mng

(1)	(2)	(3)	(4)	(5)
21. Neelangarai	35	5	29	Mbm
22. Nandambakkam	105	8	80	Sur
23. Nanmangalam	92	10	88	Mng
24. Nemilicheri	56	12	65	Mng
25. Okkiyamduraipakkam	30	6	30	Mbm
26. Ottiyambakkam	66	6	65	Amp
27. Palavakkam	42	3	67	Mbm
28. Perungudi	40	4	81	Mng Mbm Amp
29. Pallikavanai	67	12	30	Amp
30. Perumbakkam	77	6	134	Amp
31. Paruthivakkam	45	1	37	Mng
32. Pozichalur	80	5	96	Mng
33. Perungalathur	37	22	123	Mng Sur
34. Pullkoradu	68	5	51	Mng Sur
35. Rajakkelpakkam	61	12	91	Mng Sur
36. Semmanjeri	58	10	34	Amp Mbm
37. Sozingallore	59	6	60	Amp Mbm
38. Selaiyur	61	11	106	Mng
39. Sombakkam	71	19	107	Mng Sur
40. thirisoolam	106	6	29	Mng
41. Thaladhananjeri	46	30	167	Mng
42. Thaladhananjeri	57	4	57	Mng Sur
43. Thiruvanjeri	57	13	80	Mng Sur
44. Vengaivasal	55	10	42	Mng Sur
45. Vengapakkam	38	19	140	Mng

LAND CAPABILITY

TAMBARAM TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
3,260	II es	Mangalathupattu	Erosion surface run off	Soil conservation
2,000	II ws	Suramangalam	Surface moisture Alkalinity	Improving Drainage Selection of crops Soil reclamation
1,000	II s	Ammamet	Heavy texture Poor drainage cracks	Improving Drainage Selection of crops
1,500	III s	Mahabalipuram	Poor surface Texture Soil gravelliness	Soil texture development Selection of crops

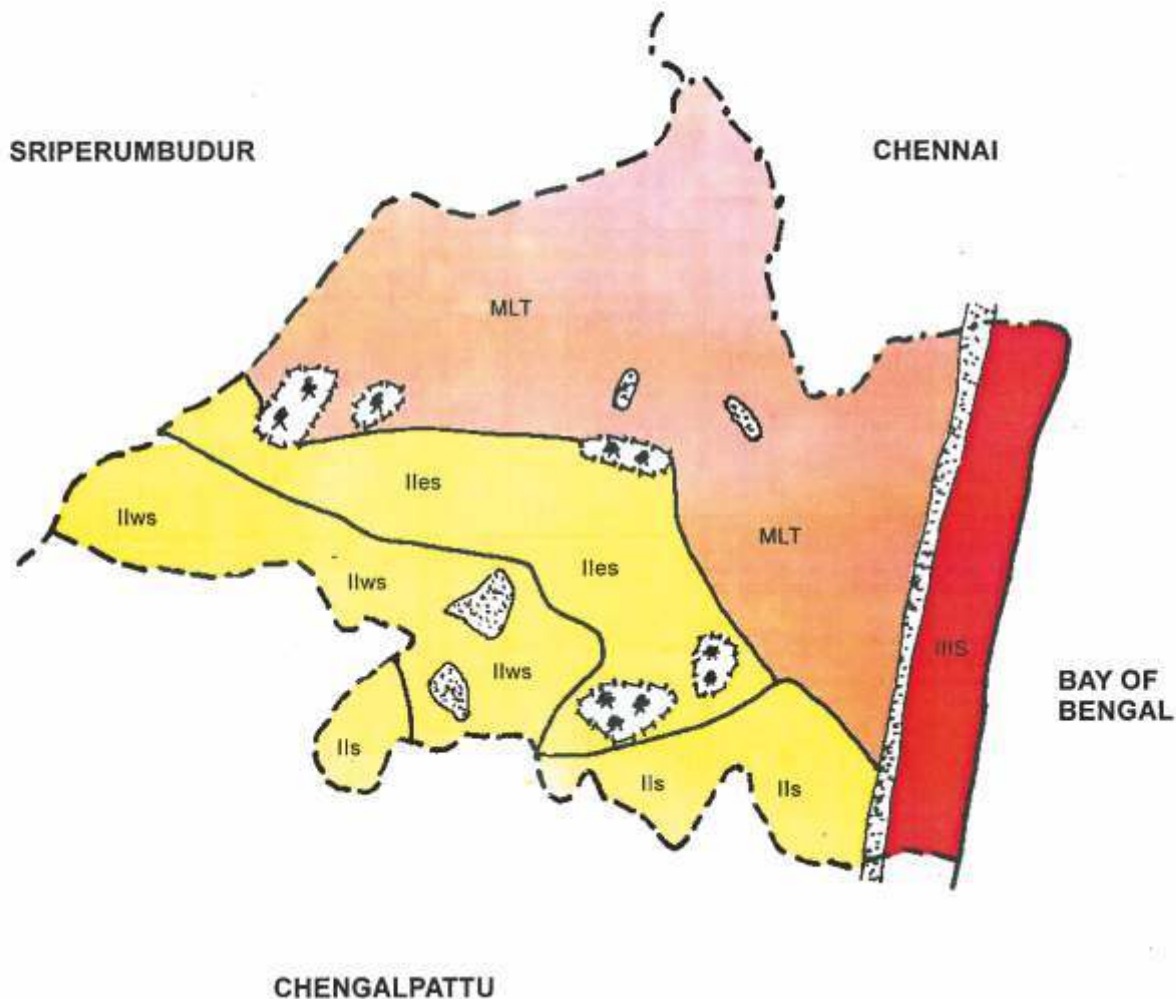
Class

- II** - Good cultivable lands that have moderate limitations for sustained use under agriculture
- III** - Moderately good cultivable lands that have severe limitations for sustained use under agriculture

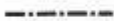



Sub class

- e** - Erosion and run off
- w** - Excess water
- s** - Root zone limitations

LAND CAPABILITY TAMBARAM TALUK






REFERENCE

- District boundary 
- Taluk boundary 
- Forest boundary 
- Tank 

LEGEND

CLASS

-  GOOD CULTIVABLE LANDS
-  MODERATELY GOOD
-  MISCELLANEOUS LAND TYPE

SUB CLASS

- e - EROSION & RUNOFF
- w - EXCESS WATER
- s - ROOT ZONE LIMITATION

LAND IRRIGABILITY

TAMBARAM TALUK

Area (ha)	Land irrigability classification	Soil series	Limitation
3,260	2 st	Mangalathupattu	Erosion Topography Moderately run off
2,000	2 s	Suramangalam	Moderately Alkaline Poor water retentivity
1,000	3 sd	Ammapet	Floods Stratification Alkalinity Impeded drainage
1,500	3 s	Mahabalipuram	Topography Erosion Poor water retentivity High run off

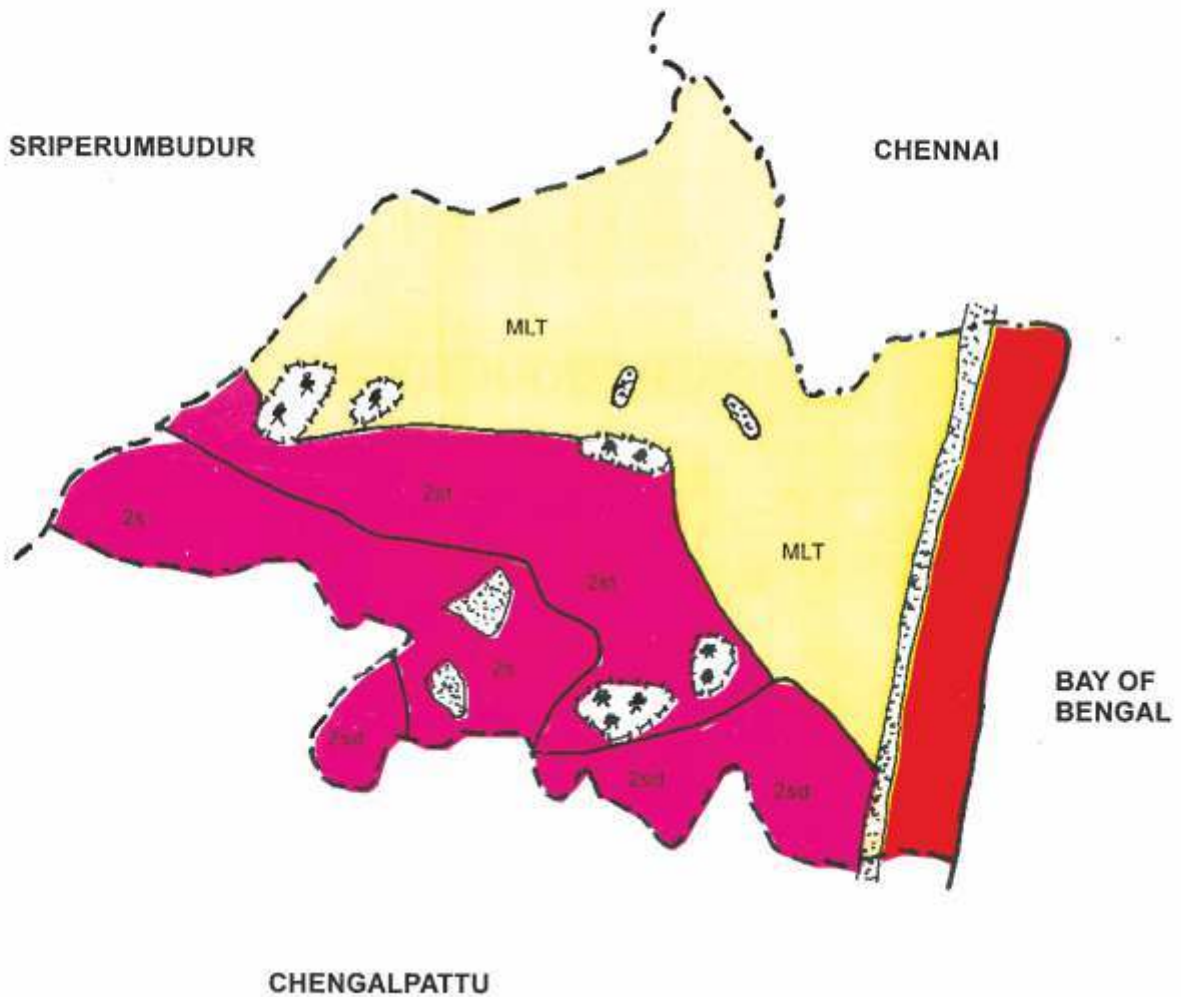
Class

- 2 -** Lands that have moderate limitations for sustained use under irrigation
- 3 -** Lands that have severe limitations for sustained use under irrigation





Sub class

- s** - Soil limitation
- t** - Topography
- d** - Drainage

LAND IRRIGABILITY TAMBARAM TALUK






REFERENCE

- District boundary 
- Taluk boundary 
- Forest boundary 
- Tank 

LEGEND

CLASS

-  MODERATE LIMITATION
-  SEVERE LIMITATION
-  MISCELLENEOUS LAND TYPE

SUB CLASS

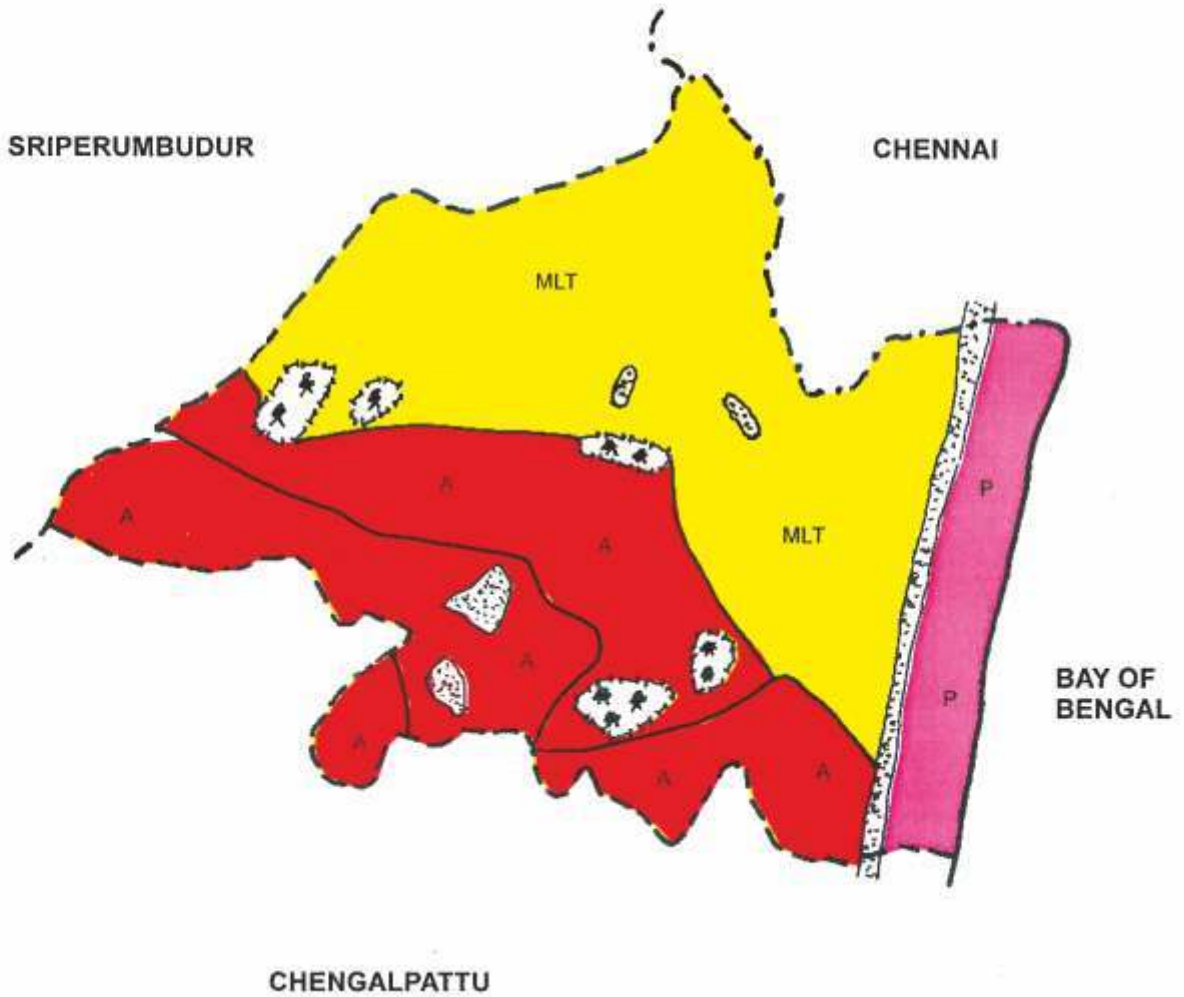
- s - SOIL LIMITATION
- t - TOPOGRAPHY
- d - DRAINAGE

SOIL PRODUCTIVITY



TAMBARAM TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
1,500	8 - 19	Poor	Mahabalipuram
6,260	19 - 34	Average	Mangalathupattu Suramangalam Ammamet




SOIL PRODUCTIVITY TAMBARAM TALUK



REFERENCE

- District boundary - - - - -
- Taluk boundary - · - · - ·
- Forest boundary 
- Tank 

LEGEND

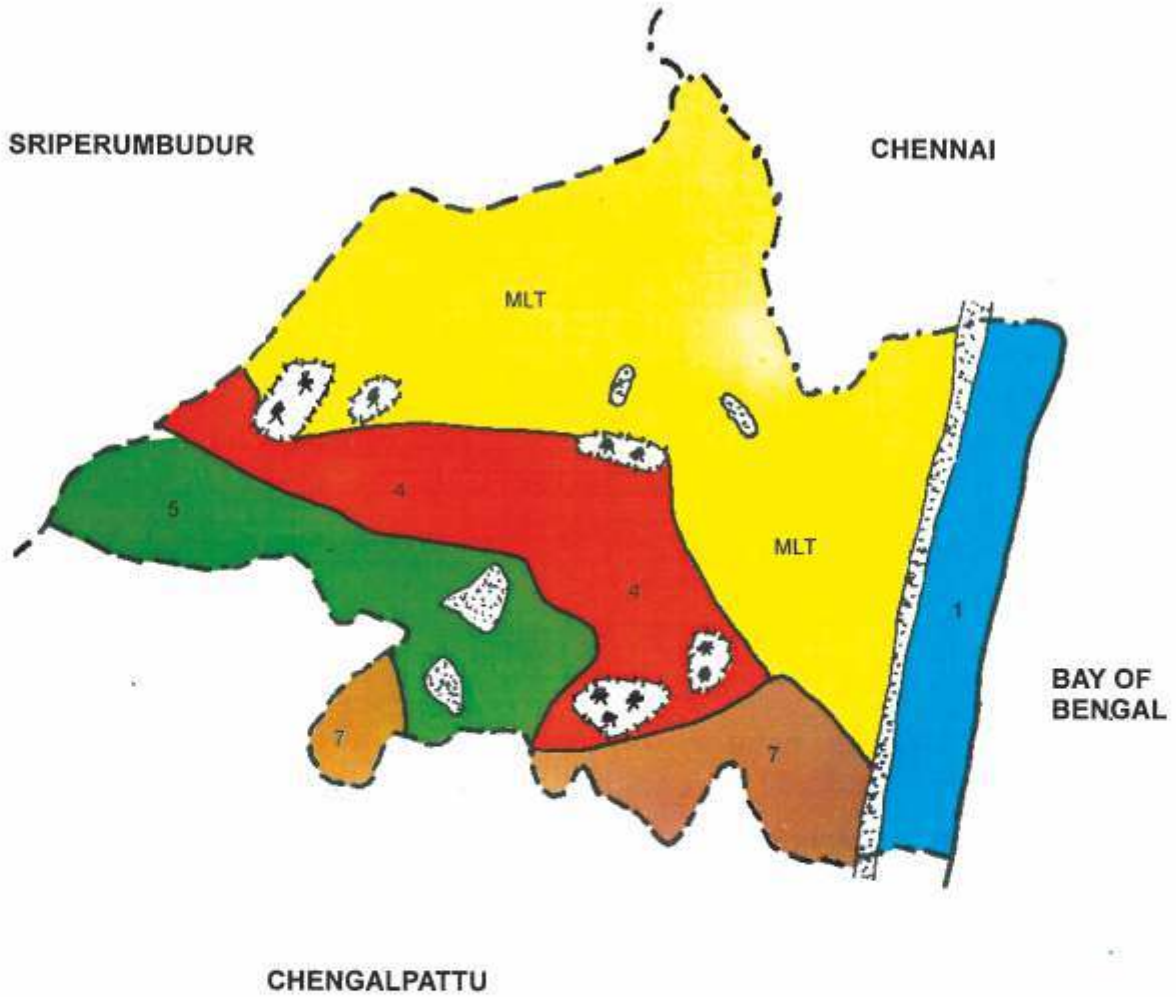
-  AVERAGE
-  POOR
-  MISCELLANEOUS LAND TYPE

CROPS GROWN





TAMBARAM TALUK

May symbol	Soil series	Crops grown	
		Rainfed	Irrigated
2	Mahabalipuram	Groundnut Casuarina	Coconut Cashew Paddy
4	Mangalathupattu	Groundnut Millets Pulses	Paddy Ragi Sugarcane Sunflower Gingelly
5	Suramangalam	Groundnut Millets Sunflower	Paddy Ragi Sugarcane Sunflower Vegetables
7	Ammamet	Groundnut Sunflower	Paddy Chillies Sugarcane






CROPS GROWN TAMBARAM TALUK



REFERENCE

- District boundary 
- Taluk boundary 
- Forest boundary 
- Tank 

LEGEND

-  1
-  4
-  5
-  7
-  MISCELLANEOUS
LAND TYPE

SOILS

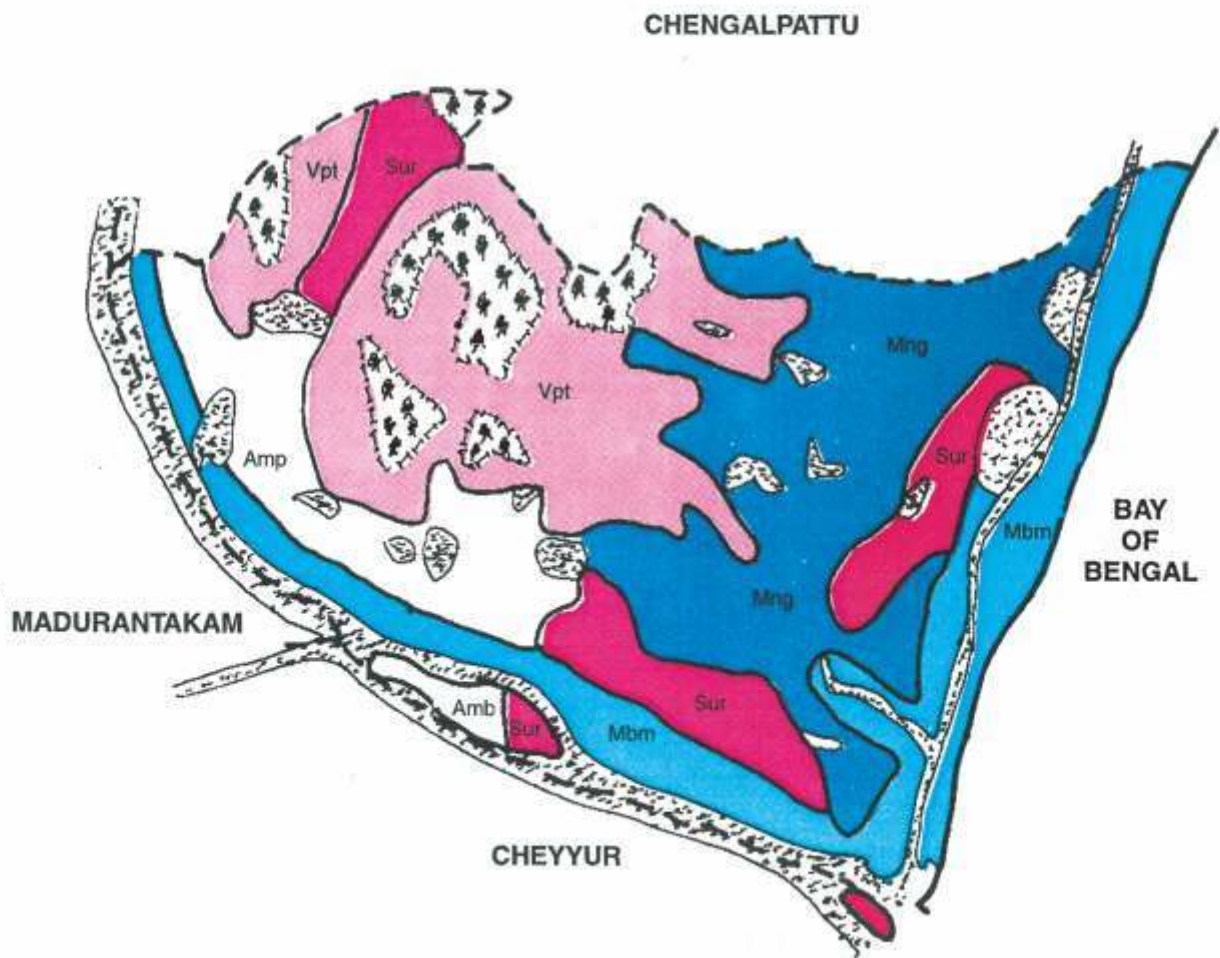
THIRUKKALUKUNDRAM TALUK

Soil series	Symbol	Extent	
		ha	%
1. Vanapatti	Vpt	9,582	27.16
2. Mangalathupattu	Mng	8,198	23.25
3. Mahabalipuram	Mbm	4,452	12.62
4. Suramangalam	Sur	4,200	11.91
5. Ammapet	Amp	4,200	11.91
6. Forest and others	—	4,650	13.18
Total		35,282	100.00







SOILS

THIRUKKALUKUNDRAM TALUK



REFERENCE

- Taluk boundary 
- Forest boundary 
- River 
- Tank 

LEGEND

-  Mng MANGALATHUPATTY
-  Vpt VANNAPATTY
-  Mbm MAHABALIPURAM
-  Sur SURAMANGALAM
-  Amp AMMAPET

VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

THIRUKKALUKUNDRAM TALUK

Name of the village	Fertility status (Kg/Ac)			Dominant soil series
	Nitrogen	Phosphorus	Potassium	
(1)	(2)	(3)	(4)	(5)
THIRUKKALUKUNDRAM BLOCK				
1. Amaipakkam	52	15	116	Vpt Mng
2. Ayapakkam	52	15	116	Amp
3. Adavilagam	66	5	41	Mgd Mng
4. Anur	65	8	78	Sur
5. Alagasamudram	42	7	70	Sur Mgd
6. Acharapakkam	174	6	82	Sur Mng
7. Edaiyathur	58	9	62	Amp Mgd
8. Edaiyur	59	4	87	Sur
9. Echur	48	20	240	Sur Mng
10. Irumbedu	64	2	31	Vpt Mng
11. Janakipuram	64	2	25	Vpt Mng
12. Kothimangalam	141	5	124	Vpt Mng
13. Kilambakkam	80	5	88	Mng Vpt
14. Kunnathur	49	2	54	Mbm Sur
15. Kokkilamedu	64	2	31	Amp
16. Kalpakkam	35	2	170	Amp
17. Kuzipandhandalam	67	4	59	Sur Mng
18. Keelavedu	104	5	187	Mgd
19. Keerapakkam	180	5	108	Mng Vpt
20. Kangeyanguppam	—	11	119	Mng Vpt
21. Lattur	56	6	40	Vpt Mng
22. Mathigainallanguppam	54	11	93	Vpt Mng
23. Mangalam	52	3	64	Vpt Mng
24. Mullikolathur	59	19	21	Vpt Sur
25. Mambakkam	37	5	33	Mng
26. Mahabalipuram	65	16	225	Mbm
27. Melakuppam	52	10	175	Vpt Mng
28. Meyyur	76	5	45	Mbm
29. Manapakkam	74	3	97	Mbm Amp
30. Mosivakkam	68	14	77	Sur

(1)	(2)	(3)	(4)	(5)
31. Melaripakkam	54	4	34	Sur Mgd
32. Mudaiyur	82	12	72	Mng Amp
33. Nemmeli	109	3	82	Mng Mbm
34. Naduvakkarai	66	4	145	
35. Nallathur	49	16	82	
36. Nerumburpattarakazani	74	10	18	Mbm Amp
37. Nallore	64	15	107	Mbm
38. Neikuppi	68	15	89	Vpt Mng
39. Narapakkam	57	9	43	Vpt Mng
40. Nelvoy	75	6	112	Amp Mbm
41. Navalur	109	7	204	Vpt Mng
42. Nathamkariyacheri	62	11	82	Mng Vpt
43. Othivakkam	85	3	95	Vpt Mng
44. Pulleri	97	—	89	Mgd Sur
45. Pudupakkam	54	12	88	Amp Mng
46. Punnappattu	65	16	49	Amp
47. Pudupattinam	68	4	207	Mng Mbm
48. Perumaleri	61	22	131	Sur Mng
49. Poonjeri	97	—	89	Vpt Mng
50. Pandur	69	2	34	Mng Vpt
51. Perumbedu	53	10	54	Amp
52. Puliyur	67	8	56	Vpt Sur
53. Pattikadu	62	14	50	Vpt Mng
54. Pulikundran	51	8	28	Vpt Mng
55. Rudhrakotti	66	9	29	Vpt Mng
56. Sadurangapattinam	62	12	48	Mbm
57. Saloor	79	7	40	Amp Vpt
58. Thazambedu	78	7	67	Vpt Mng
59. Thathalur	41	6	39	Amp Mng
60. Thirukkalukundram	53	6	45	Vpt Mng
61. Udhayambakkam	54	15	92	Mbm Amp
62. Veerakuppam	56	4	49	Vpt Mng
63. Venbakkam	55	3	71	Amp
64. Vittilapuram	59	3	42	Amp
65. Voyalur	93	6	118	Mng Mbm
66. Veerapuram	55	20	126	Sur Mng
67. Vallipuram	72	19	116	Mbm Amp
68. Vazuvadur	61	3	79	amp Mng
69. Vilagam	58	7	82	Mbm Amp
70. Vellappandal	63	7	104	Amp

LAND CAPABILITY

THIRUKKALUKUNDRAM TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
8,198	II es	Mangalathupattu	Erosion surface run off	Soil conservation
4,200	II ws	Suramangalam	Surface moisture Alkalinity	Improving Drainage Selection of crops Soil reclamation
4,200	II s	Ammapet	Heavy texture Poor drainage cracks	Improving Drainage Selection of crops
4,452	III e	Mahabalipuram	Poor surface Texture Soil gravelliness	Soil texture development Selection of crops
9,582	III es	Vannapatti	Surface run off Erosion Topography Shallow depth	Soil conservation reclamation Selection of crops

Class

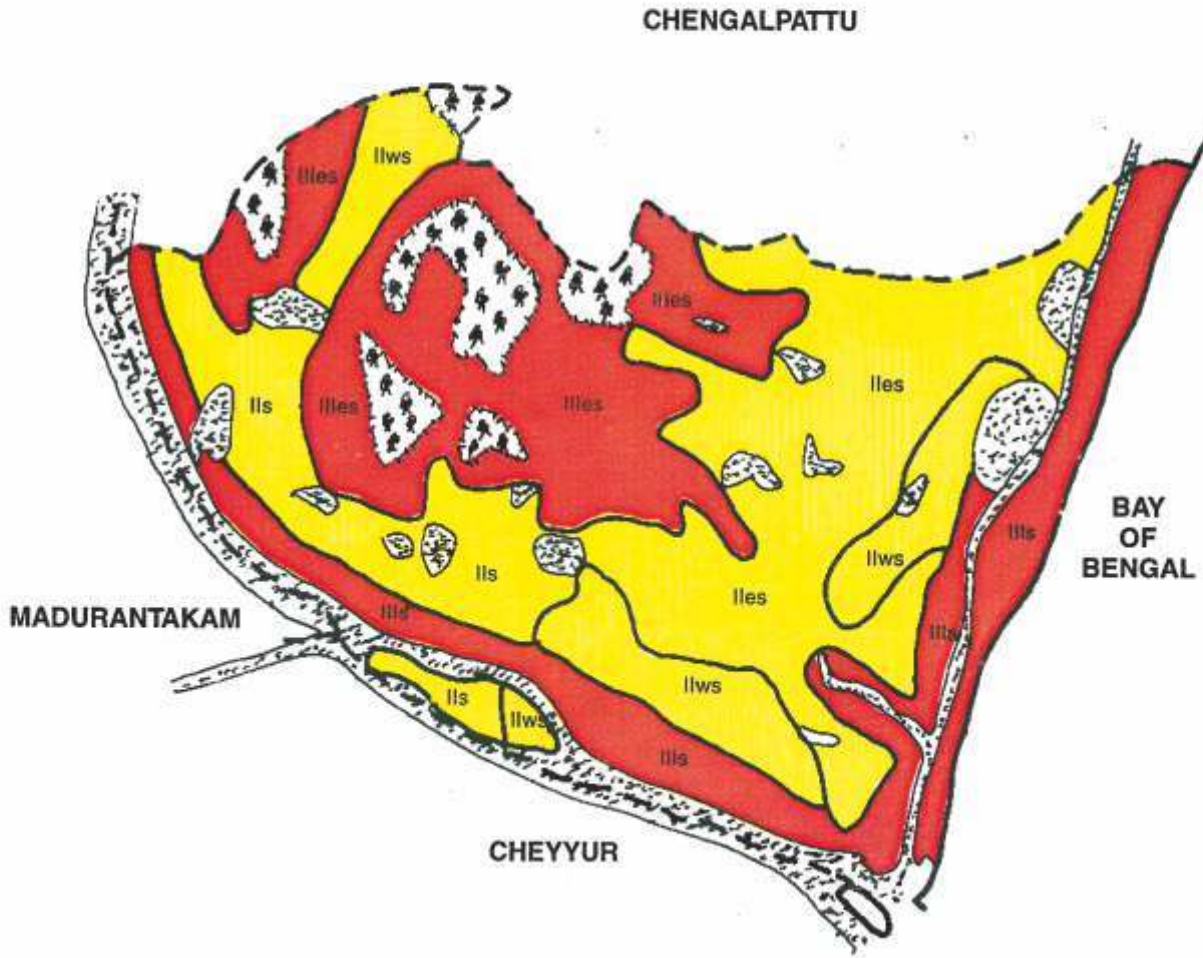
- II -** Good cultivable lands that have moderate limitations for sustained use under agriculture
- III -** Moderately good cultivable lands that have severe limitations for sustained use under agriculture

Sub class

- e -** Erosion and run off
- w -** Excess water
- s -** Root zone limitations



LAND CAPABILITY THIRUKKALUKUNDRAM TALUK







MADURANTAKAM

CHENGALPATTU

BAY OF BENGAL



CHEYYUR

REFERENCE

- Taluk boundary 
- Forest boundary 
- River 
- Tank 

LEGEND

CLASS

-  GOOD CULTIVABLE LAND
-  MODERATELY GOOD CULTIVABLE LAND

SUB CLASS

- e - EROSION
- w - EXCESS WATER
- s - ROOT ZONE LIMITATION

LAND IRRIGABILITY

THIRUKKALUKUNDRAM TALUK

Area (ha)	Land irrigability classification	Soil series	Limitation
8,198	2 st	Mangalathupattu	Erosion Topography Moderately run off
4,200	2 s	Suramangalam	Moderately Alkaline Poor water retentivity
4,200	3 sd	Ammapet	Floods Stratification Alkalinity Impeded Drainage
4,452	3 s	Mahabalipuram	Poor surface texture Low water holding capacity Soil gravelliness
9,582	3 st	Vannapatti	Topography Erosion Poor water retentivity High run off

Class

- 2** - Lands that have moderate limitations for sustained use under irrigation
- 3** - Lands that have severe limitations for sustained use under irrigation

Sub class

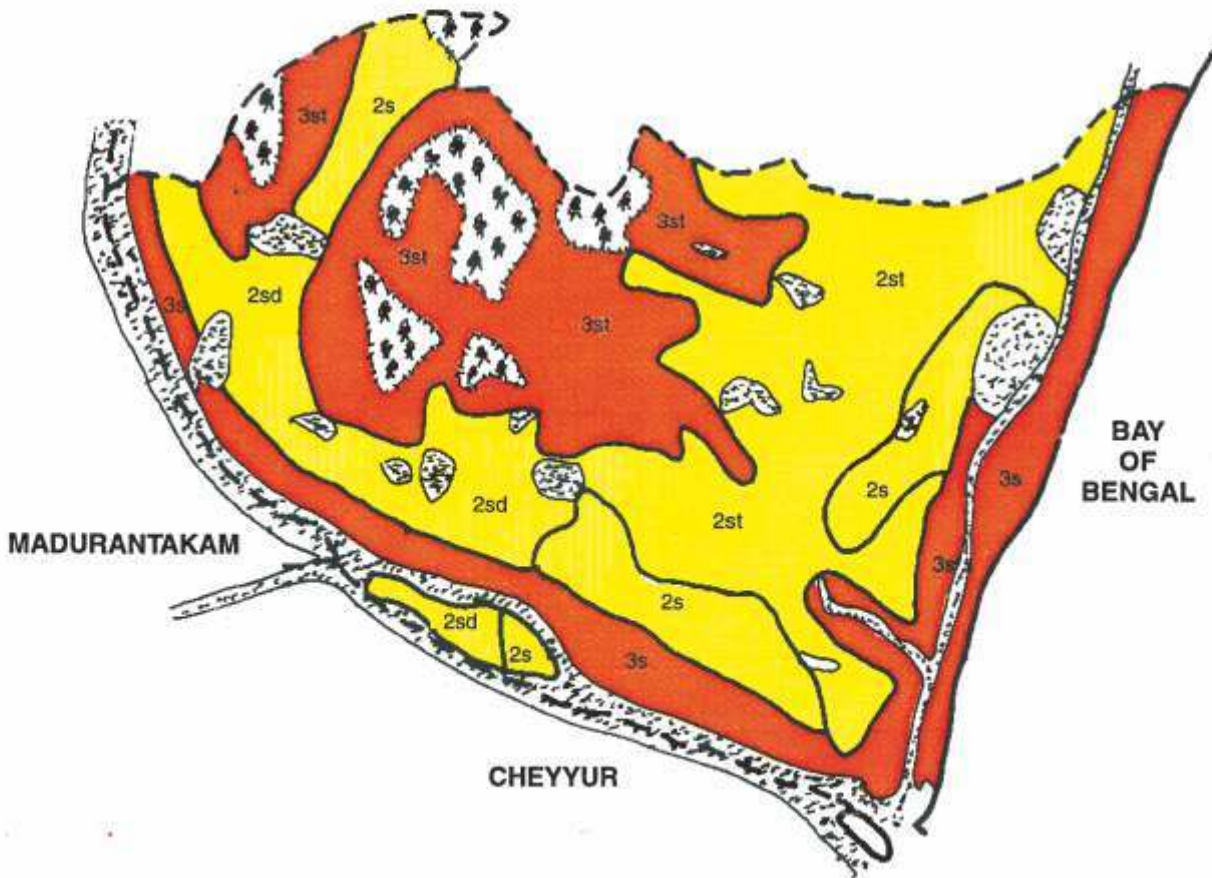
- s** - Soil limitation
- t** - Topography
- d** - Drainage







LAND IRRIGABILITY

THIRUKKALUKUNDRAM TALUK

CHENGALPATTU





REFERENCE

- Taluk boundary 
- Forest boundary 
- River 
- Tank 

LEGEND

CLASS

-  MODERATE LIMITATION
-  SEVERE LIMITATION

SUB CLASS

- s - SOIL LIMITATION
- t - TOPOGRAPHY
- d - DRAINAGE

SOIL PRODUCTIVITY

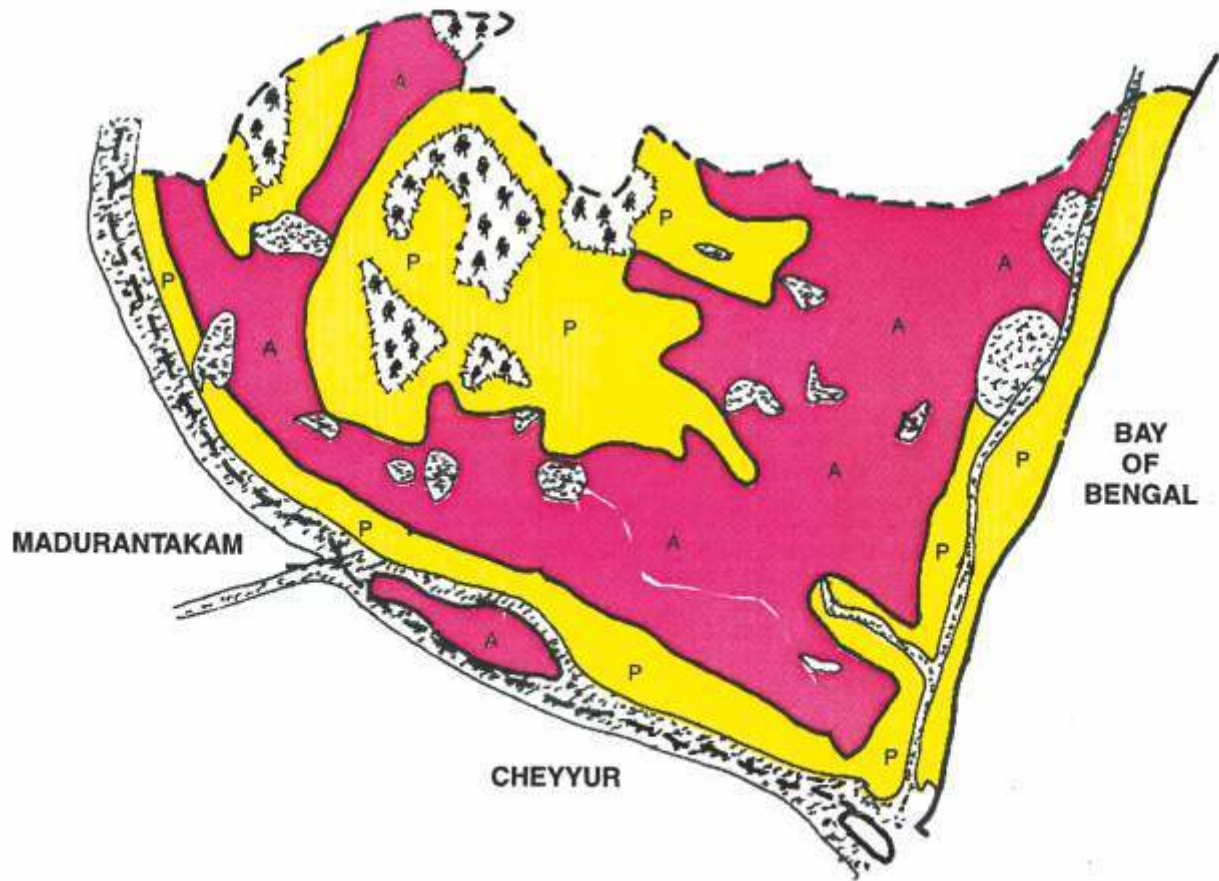
THIRUKKALUKUNDRAM TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
14,034	8 - 19	Poor	Vannapatti Mahabalipuram
16,598	19 - 34	Average	Mangalathupattu Suramangalam Ammamet



SOIL PRODUCTIVITY THIRUKKALUKUNDRAM TALUK

CHENGALPATTU



BAY
OF
BENGAL

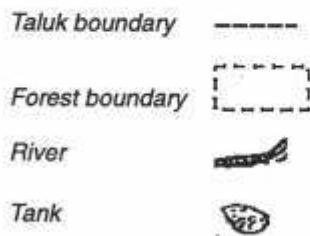
MADURANTAKAM

CHEYUR

LEGEND



REFERENCE



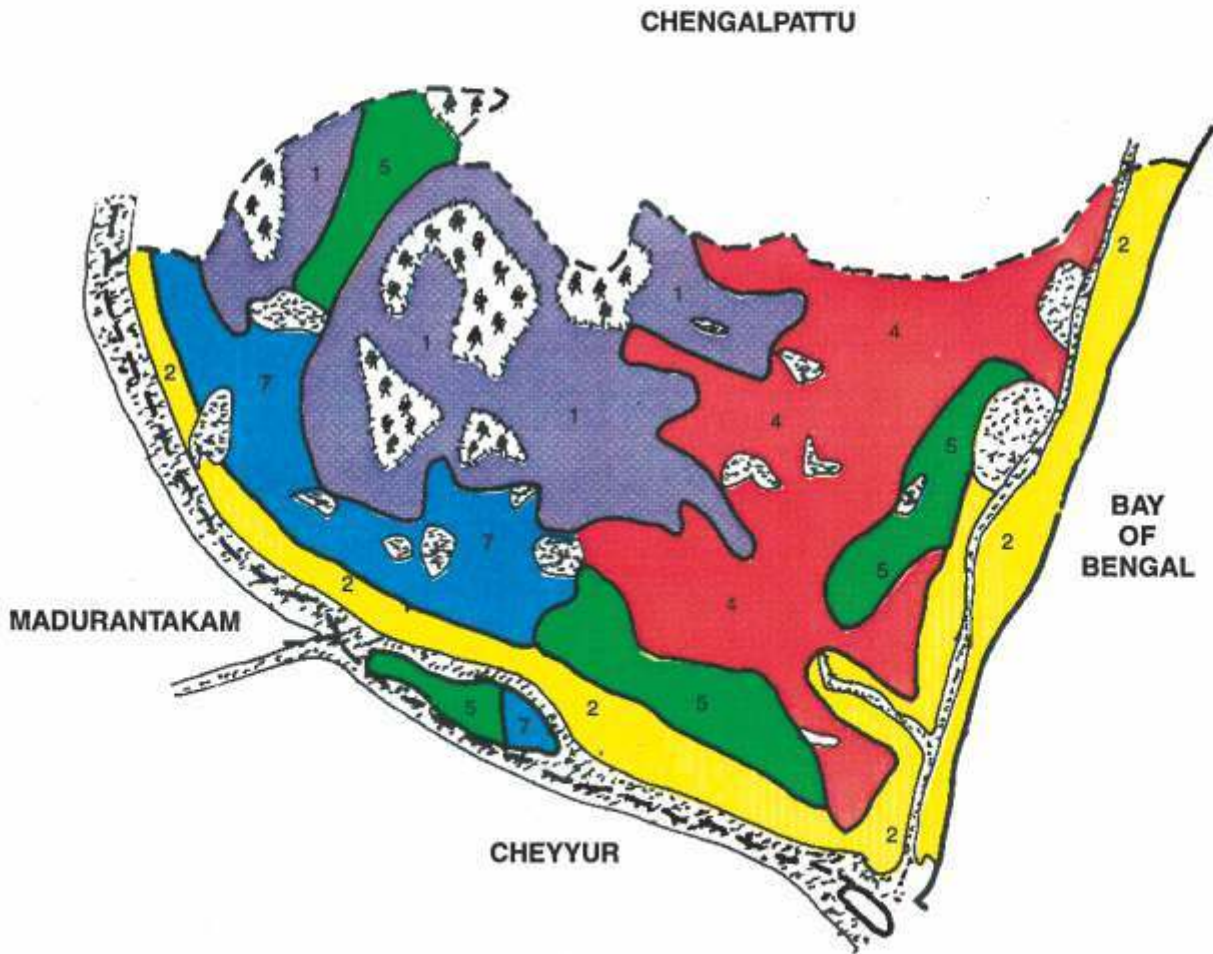
CROPS GROWN

THIRUKKALUKUNDRAM TALUK


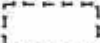


May symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Vannapatti	Groundnut Millets Pulses	Coconut Millets Pulses Vegetables
2	Mahabalipuram	Groundnut Casuarina	Coconut Cashew Paddy
4	Mangalathupattu	Groundnut Millets Pulses	Paddy Ragi Sugarcane Sunflower Gingelly
5	Suramangalam	Groundnut Millets Sunflower	Paddy Ragi Sugarcane Sunflower Vegetables
7	Ammamet	Groundnut Sunflower	Paddy Chillies Sugarcane








CROPS GROWN THIRUKKALUKUNDRAM TALUK



REFERENCE

- Taluk boundary 
- Forest boundary 
- River 
- Tank 

LEGEND

-  1
-  2
-  4
-  5
-  7

SOILS

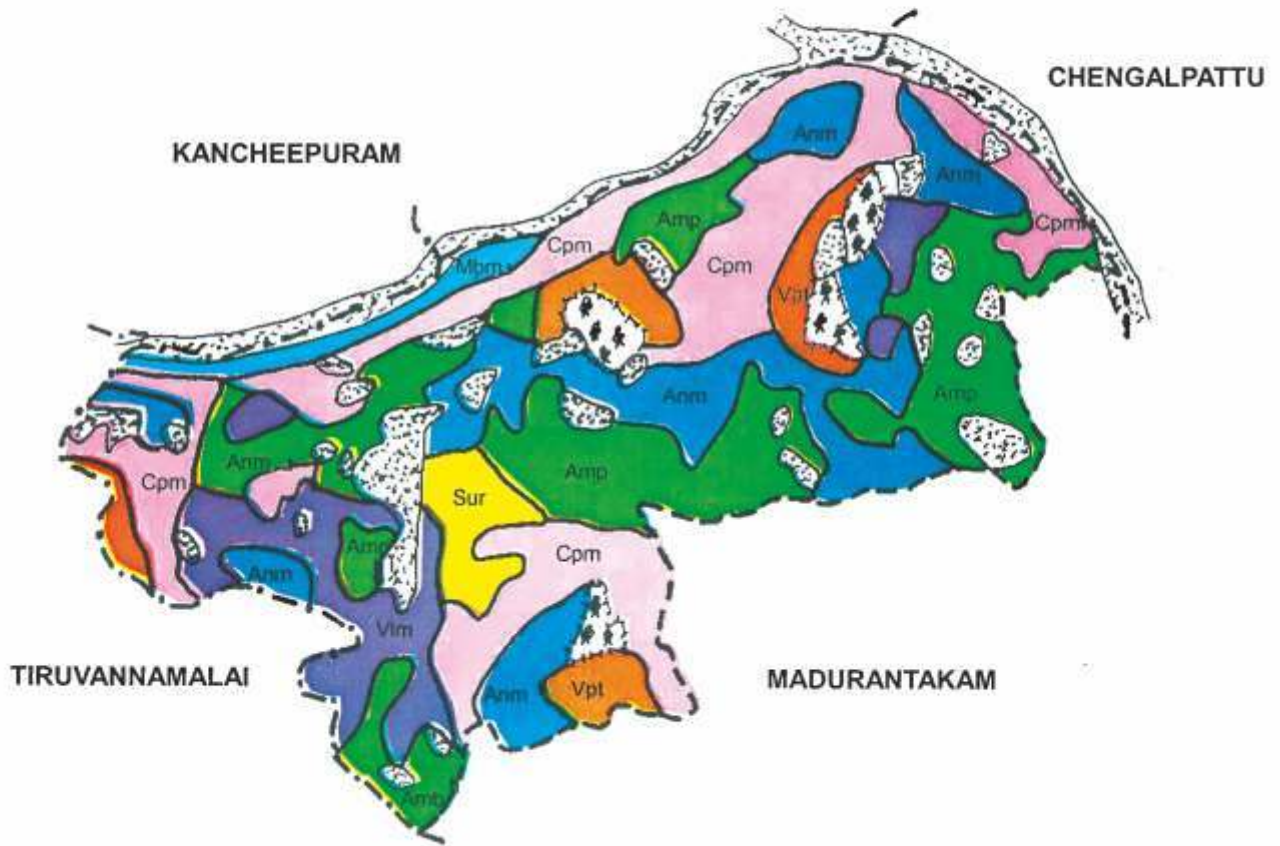
UTHIRAMERUR TALUK

Soil series	Symbol	Extent	
		ha	%
1. Ammapet	Amp	10,000	24.02
2. Chickarasapalayam	Cpm	9,750	23.42
3. Arasanatham	Anm	6,580	15.81
4. Vallam	Vlm	2,065	4.96
5. Vannapatti	Vpt	1,890	4.53
6. Suramangalam	Sur	1,330	3.20
7. Mahabalipuram	Mbm	485	1.16
8. Forest and others	—	9,535	22.90
Total		41,635	100.00








SOILS



UTHIRAMERUR TALUK



REFERENCE

- District boundary 
- Taluk boundary 
- Forest boundary 
- River 
- Tank 

LEGEND

-  Cpm CHICKARASAMPALAYAM
-  Anm ARASANATHAM
-  Amp AMMAPET
-  Vpt VANNAPATTY
-  Mm MAHABALIPURAM
-  Vlm VALLAM
-  Sur SURAMANGALAM

VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

UTHIRAMERUR TALUK

Name of the village	Fertility status (Kg/Ac)			Dominant soil series
	Nitrogen	Phosphorus	Potassium	
(1)	(2)	(3)	(4)	(5)
UTHIRAMERUR BLOCK				
1. Advapakkam	222	19	145	Cpm Vpt
2. Adiyurmelduli	252	7	175	Amp Vlm
3. Agaramduli	40	7	159	Amp
4. Alinoor	127	19	302	Amp Sur Vpt
5. Alpakkam	187	25	57	Amp Sur
6. Alencheri	187	6	161	Sur Cpm Vpt
7. Ammayappanallur	137	11	91	Vlm Cpm
8. Anambakkam	241	24	143	Cpm Vpt
9. Andithangal	174	7	191	Amp Vpt
10. Arasanimangalm	124	15	159	Sur Cpm
11. Arympuliyur	216	30	172	Amp
12. Chinnalambadi	161	12	97	Cpm Vpt
13. Edarnichi	149	40	450	Vlm Vpt
14. Edayambudur	137	3	92	Cpm Sur
15. Elanagar	153	12	403	Amp Cpm
16. Elappakkam	173	7	247	Sur Vpt
17. Gidangarai	155	11	115	Cpm Vpt
18. Hanumanthandalam	154	8	210	Cpm Vpt
19. Irumaram	186	19	137	Cpm Mbm
20. Kadalmangalam	194	9	182	Amp Cpm

(1)	(2)	(3)	(4)	(5)
21. Kaithandalam	215	19	137	Sur Amp
22. Kaliappattai	163	7	283	
23. Kaliarpoondi	232	20	128	Amp Vlm
24. Kammalampoondi	57	2	156	Cpm Vlm
25. Kannikulam	247	2	158	Cpm Vpt
26. Karanai	184	2	156	Vlm Cpm
27. Kuruvadi	148	7	175	Vlm Sur
28. Karumbakkam	138	7	137	Amp
29. Kurumberi	176	19	164	Amp Vpt
30. Kurumanjeri	150	11	253	Amp
31. Karuveppampoondi	94	6	170	Anm Sur
32. Kariyamangalam	142	50	172	Cpm Anm
33. Kathiampandhal	192	9	159	Vpt Cpm
34. Kattangulam	188	8	146	Anm Vpt
35. Kattupudur	178	19	169	Anm Cpm
36. Kavanoorpuducheri	127	31	31	Cpm Anm
37. Kavambair	237	9	156	Anm Vpt
38. Kavanipakkam	188	43	175	Vlm Cpm
39. Kavithandalam	123	7	97	Sur Anm
40. Kilakadi	135	10	100	Anm Sur
41. Kunnavakkam	156	6	214	Cpm Sur
42. Malayankulam	254	14	219	Sur Cpm
43. Malliankaranai	144	18	206	Amp Cpm
44. Manpudur	150	46	111	Anm Amp
45. Mambakkam	157	8	252	Amp
46. Manamathi	169	3	245	Anm Sur
47. Marudham	51	5	44	Sur Vpt
48. Maruthvanpati	145	29	311	Amp Cpm
49. Mehallore	159	34	69	Vlm Sur
50. Melapakkam	183	3	102	Amp Vpt
51. Milagarmathi	153	10	322	Anm
52. Murukeri	164	6	136	Anm Cpm
53. Nadupattu	131	10	146	Anm
54. Najapuram	174	9	167	Sur Cpm
55. Naviambakkam	149	6	64	Anm Cpm

(1)	(2)	(3)	(4)	(5)
56. Naviambudur	140	8	88	Anm Cpm
57. Neeradi	188	28	129	Cpm Amp
58. Neerkundram	170	14	131	
59. Neiyadivakkam	124	7	103	Cpm Sur
60. Nelveli	166	10	121	Anm Cpm
61. Nerkundram	203	10	93	Anm Cpm
62. Oddanthangal	149	5	123	Vbm Cpm
63. Olaiyur	185	15	150	Sur
64. Olungarai	176	14	100	Sur Vpt Mbm
65. Ongur	164	22	174	Cpm Sur
66. Orakkattupettai	159	11	135	Cpm
67. Palaswaram	140	10	158	Sur Cpm Vpt
68. Padur	129	17	176	Cpm Vpt
69. Pennallore	135	6	201	Vlm Anm
70. Perungoli	145	31	214	Cpm
71. Perunagar	154	7	158	Cpm Mbm
72. Peranakkavoor	132	12	126	Amp Vlm
73. Pinayur	177	105	275	Anm Sur
74. Poonthandalam	163	10	147	Vlm Sur
75. Pondavakkam	136	7	117	Anm Vpt
76. Porpandal	157	17	122	Amp Vpt
77. Pallumbakkam	133	14	259	Anm Vpt
78. Pullavari	176	141	395	Cpm Vpt
79. Pulivoy	141	53	98	Amp Cpm
80. Puliyur	41	12	374	Cpm
81. Pulipakkam	134	2	108	Anm Sur
82. Punganandal	165	9	148	Vpt Amp
83. Puthali	229	10	203	Cpm
84. Kavathanallore	66	8	58	Sur
85. Rottamangalam	160	10	123	Cpm Sur

(1)	(2)	(3)	(4)	(5)
86. Sadachivakkam	143	7	211	Amp
87. Salavakkam	89	4	82	Amp
88. Sathanjeri	111	26	123	Cpm Sur
89. Seathanjeri	149	15	376	Sur
90. Sembulam	169	15	163	Cpm Vpt
91. Seethapuram	183	15	168	Anm Cpm
92. Sempakkam	145	10	153	Vbm Sur
93. Sethupattu	183	5	153	Sur
94. Sirudamoor	150	15	116	Cpm Vpt
95. Silambakkam	203	8	188	Sur Mbm
96. Sirukallathur	146	7	114	Cpm Sur
97. Sirupinayur	120	20	195	Amp
98. Sirumailur	114	4	79	Anm
99. Sithanakavoor	88	4	88	Amp
100. Sithalapakkam	144	31	251	Cpm Vpt
101. Thalavampoondi	188	4	88	Anm
102. Thandarai	55	15	70	Amp
103. Thandarai (mal)	168	4	183	Amp Sur
104. Thimmayampoondi	167	8	133	Amp
105. Thiruppulivanam	158	15	215	Cpm Vpt Amp
106. Thirumukkudal	174	68	126	Anm Vpt Amp
107. Thiruvanaikoil	155	11	139	Amp
108. Thottanaval	146	7	87	Anm
109. Uthiramerur	163	10	220	Sur
110. Vadavoor	141	8	143	Cpm Anm
111. Valathodu	171	97	138	Cpm
112. Vajalur	144	12	240	Anm Vlm
113. Vayalakkavur	324	25	202	Cpm Anm
114. Vadapalayam	151	15	178	Anm Vbm
115. Vendivakkam	71	14	54	Anm
116. Vangacheri	59	2	50	Anm Vpt
117. Vangaram	56	6	50	Cpm Mbm
118. Vichoor	188	41	184	Cpm Sur
119. Vinnamangalam	162	11	127	Amp
120. Visoor	51	51	37	Cpm

LAND CAPABILITY

UTHIRAMERUR TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
7,910	II ws	Arasanatham Suramangalam	Surface moisture Alkalinity	Improving Drainage Selection of crops Soil recelamation
19,750	II s	Ammapet Chickarasanpalayam	Heavy texture Poor drainage cracks	Improving Drainage Selection of crops
2,065	II es	Vallam	Erosion Surface run off	Soil conservation
1,890	III es	Vannapatti	Surface run off Erosion Topography Shallow depth	Soil conservation reclamation Selection of crops
485	III s	Mahabalipuram	Poor surface Texture Soil gravelliness	Soil texture development Selection of crops

Class

- II -** Good cultivable lands that have moderate limitations for sustained use under agriculture
- III -** Moderately good cultivable lands that have severe limitations for sustained use under agriculture

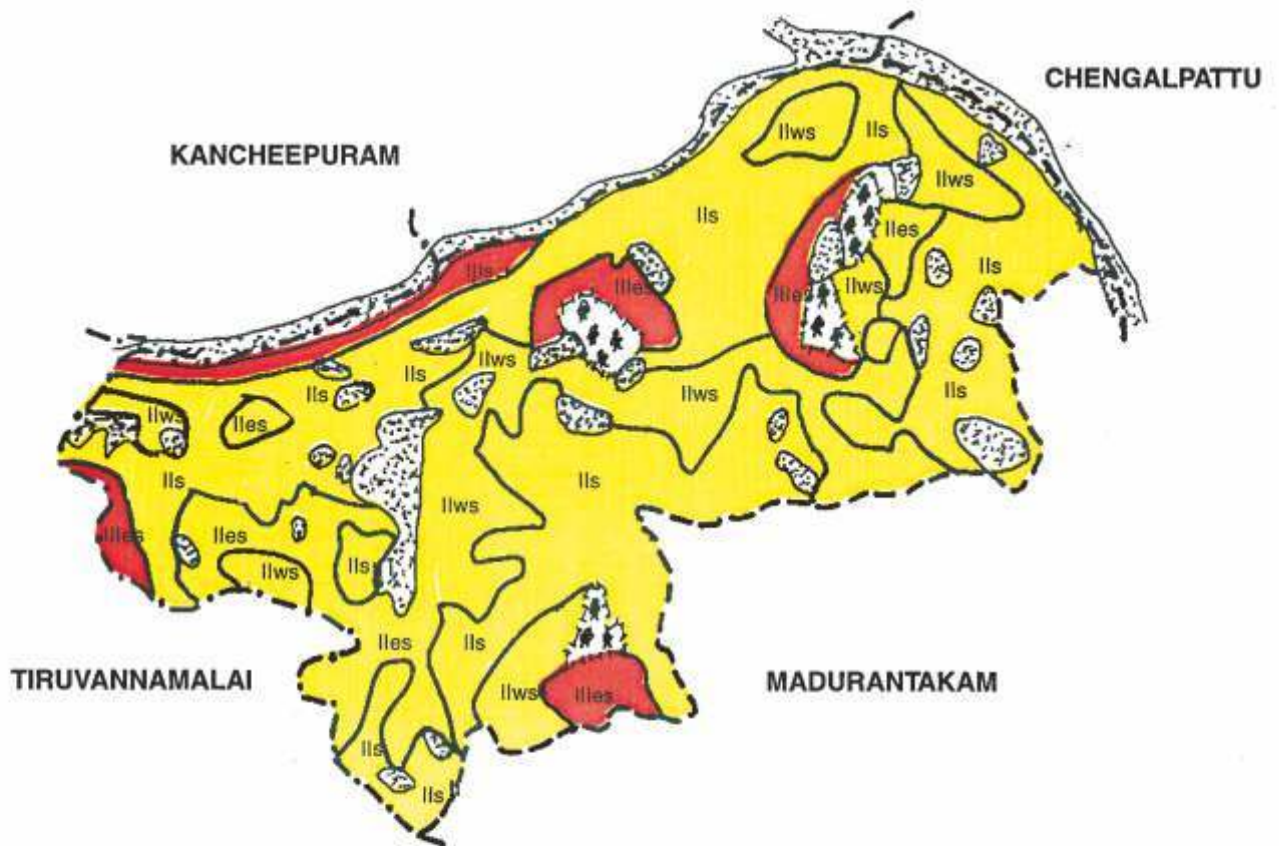
Sub class

- e -** Erosion and run off
- w -** Excess water
- s -** Root zone limitations








LAND CAPABILITY

UTHIRAMERUR TALUK





REFERENCE

- District boundary 
- Taluk boundary 
- Forest boundary 
- River 
- Tank 

LEGEND

CLASS

-  GOOD CULTIVABLE LANDS
-  MODERATELY GOOD CULTIVABLE LANDS

SUB CLASS

- e - EROSION & RUNOFF
- w - EXCESS WATER
- s - ROOT ZONE LIMITATION

LAND IRRIGABILITY

UTHIRAMERUR TALUK

Area (ha)	Land irrigability classification	Soil series	Limitation
7,910	2 s	Arasanatham Suramangalam	Moderately Alkalinity Poor water retentivity
19,750	2 sd	Ammapet Chickarasanpalayam	Floods Stratification Alkalinity Impeded drainage
2,065	2 st	Vallam	Erosion Topography Moderately run off
1,890	3 st	Vannapatti	Topography Erosion Poor water retentivity High run off
485	3 st	Mahabalipuram	Poor surface texture Low water holding capacity Soil gravelliness

Class

- 2** - Lands that have moderate limitations for sustained use under irrigation
- 3** - Lands that have severe limitations for sustained use under irrigation

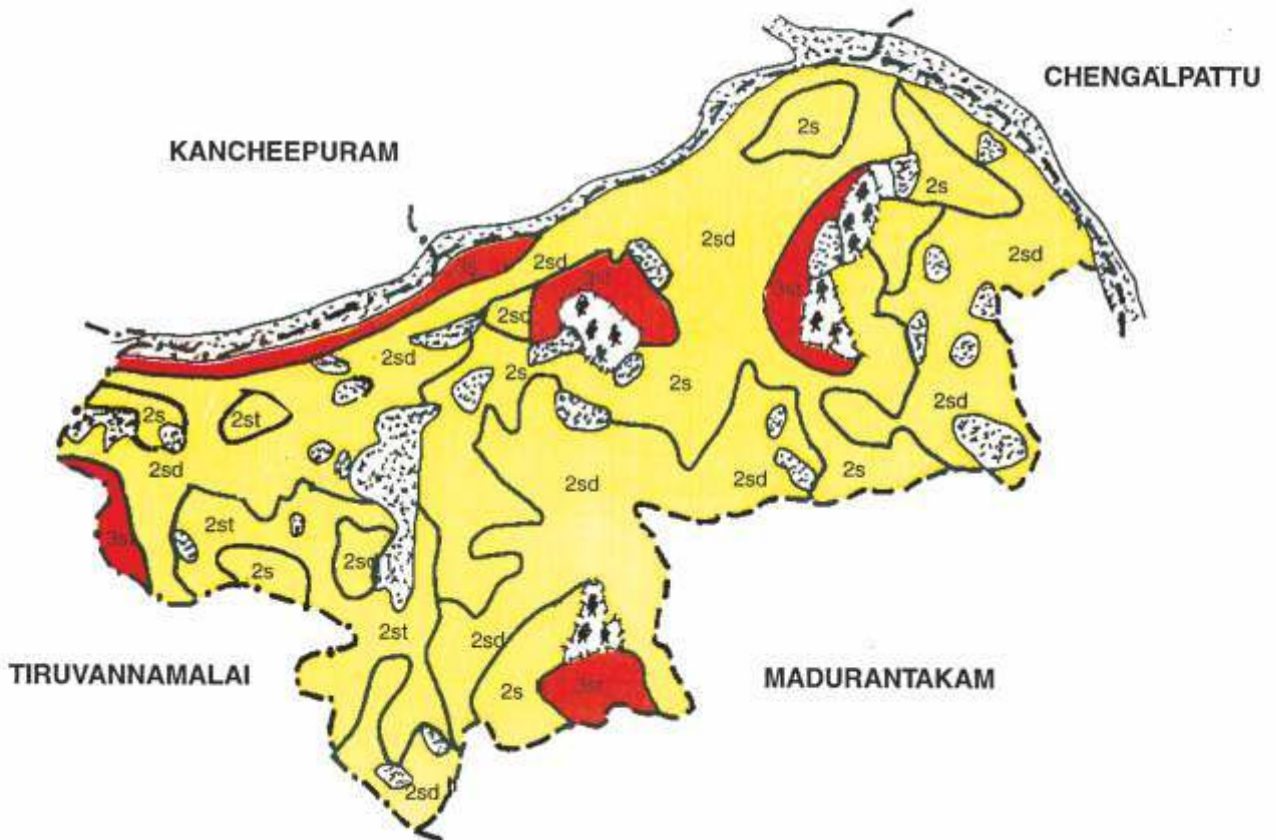
Sub class

- s** - Soil limitation
- t** - Topography
- d** - Drainage



LAND IRRIGABILITY

UTHIRAMERUR TALUK



REFERENCE

- District boundary - - - - -
- Taluk boundary
- Forest boundary [dashed rectangle]
- River [wavy line]
- Tank [circular symbol]

LEGEND

CLASS

- [Yellow box] MODERATE LIMITATION
- [Red box] SEVERE LIMITATION

SUB CLASS

- s - SOIL LIMITATION
- t - TOPOGRAPHY
- d - DRAINAGE

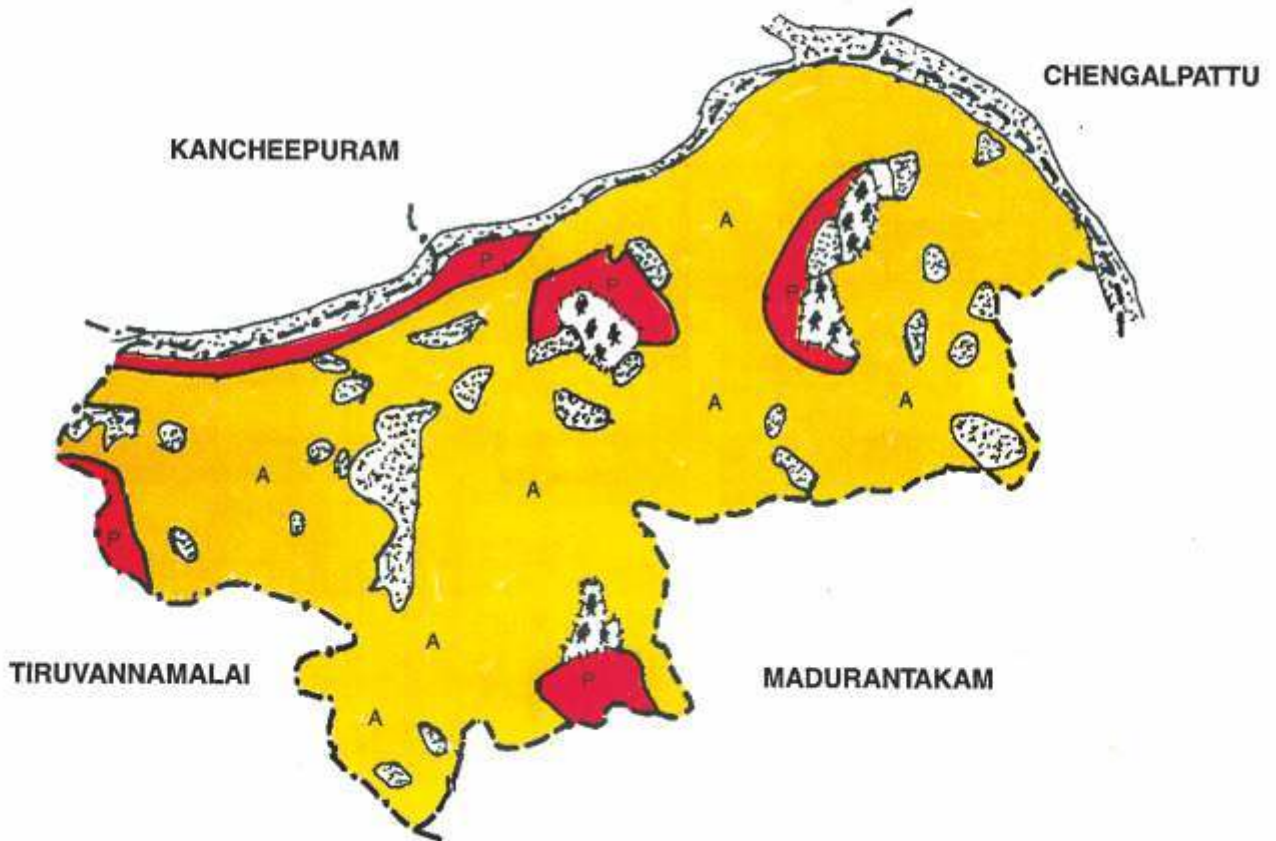
SOIL PRODUCTIVITY

UTHIRAMERUR TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
2,375	8 - 19	Poor	Vannapatti Mahabalipuram
29,725	20 - 34	Average	Arasanatham Suramangalam Chickarasanpalayam Vallam Ammamet








SOIL PRODUCTIVITY UTHIRAMERUR TALUK



LEGEND



REFERENCE

- District boundary 
- Taluk boundary 
- Forest boundary 
- River 
- Tank 

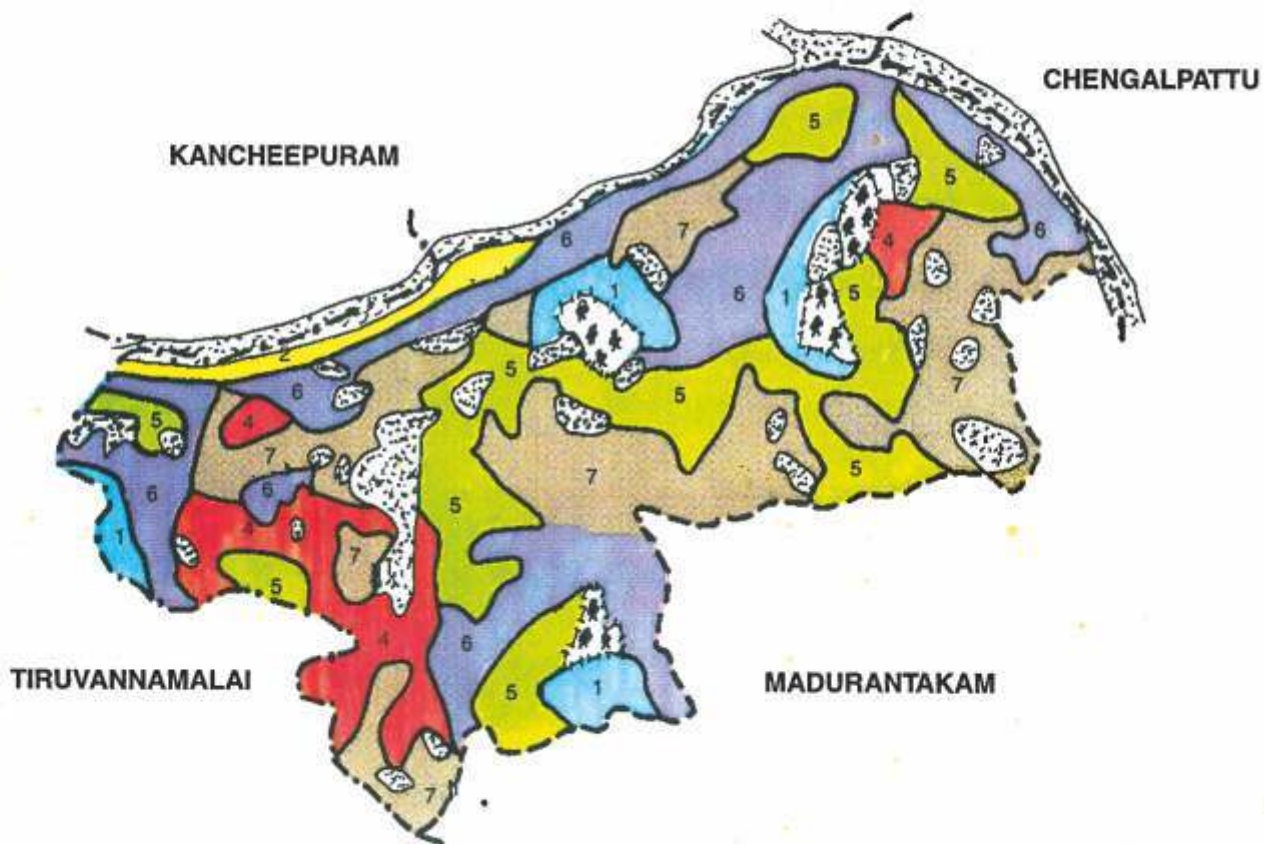
CROPS GROWN

UTHIRAMERUR TALUK

May symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Vannapatti	Groundnut Millets Pulses	Coconut Millets Pulses Vegetables
2	Mahabalipuram	Groundnut Casuarine	Coconut Cashew Paddy
4	Vallam	Groundnut Millets Pulses	Paddy Ragi Sugarcane Sunflower Gingelly
5	Suramangalam Arasanatham	Groundnut Millets Sunflower	Paddy Ragi Sugarcane Sunflower Vegetables
6	Chickarasanpalayam	Groundnut Millets Sunflower	Paddy Ragi Sugarcane Sunflower Vegetables
7	Ammapet	Groundnut Sunflower	Paddy Chillies Sugarcane



CROPS GROWN UTHIRAMERUR TALUK



TIRUVANNAMALAI

MADURANTAKAM

CHENGALPATTU

KANCHEEPURAM

- REFERENCE**
- District boundary
 - Taluk boundary
 - Forest boundary
 - River
 - Tank

- LEGEND**
- 1
 - 2
 - 4
 - 5
 - 6
 - 7

