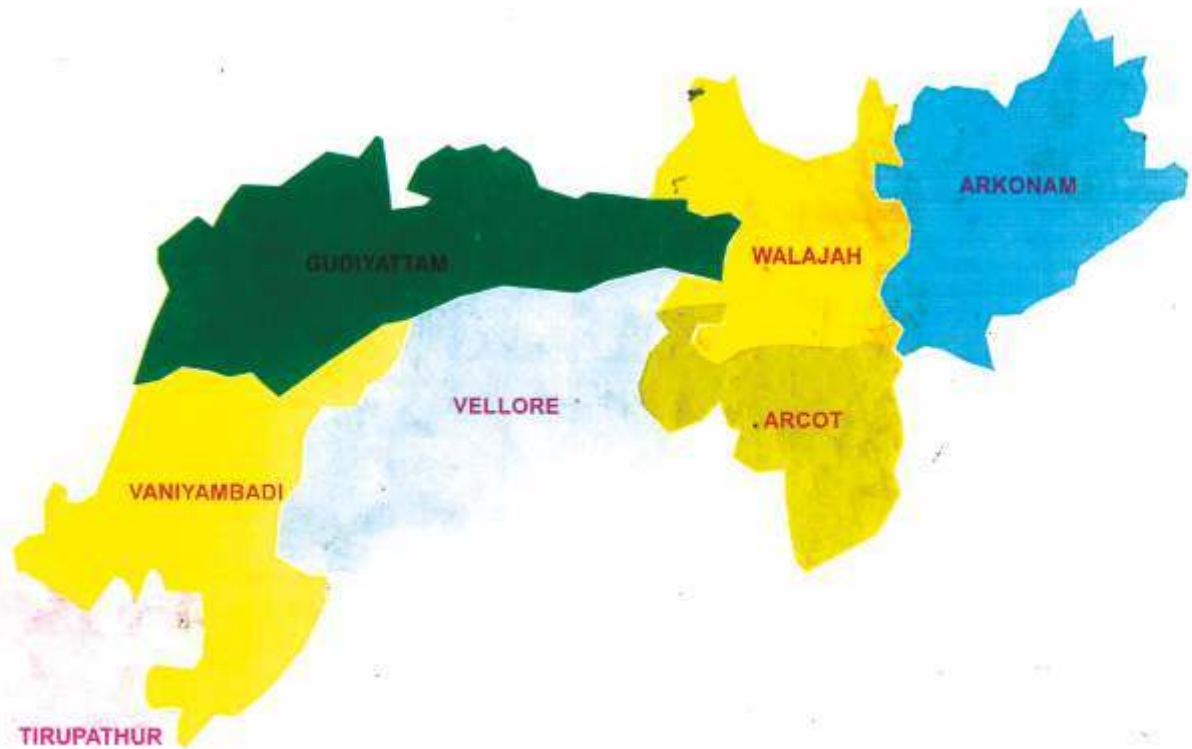




SOIL ATLAS

VELLORE DISTRICT



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

VELLORE 632 001

1998



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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 தொகுப்பேடுஒன்று 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
29.4.20

நா. ஆதிமுலம், இ.ஆ.ப.
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 மகதலானது எக்டேருக்கு 400 கிலோ முதல் 700 கிலோ வரை உயர்ந்துள்ளது என்பது பெருமைக்குரியதாகும்.

மிக்க பயன் அளிக்கவல்ல இத்தொகுப்பேட்டு விவரங்களை 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 வள்ளுவர்,

வாரிப்பெருக்கி வளம்கூட்டு உற்றவை
ஆராய் வான் எனப் பெருமைப்படுத்துவார்.

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

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

சென்னை
17. 4. 1998

17.4.98
அரசு செயலர்
வேளாண்மைத்துறை

டாக்டர். 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, பஸ்துறை 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

VELLORE

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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

Vellore district is an inland district bounded by Chittoor district (Andhra Pradesh) and Tiruvallur district on the north, Tiruvannamalai district on the south, Kancheepuram district on the east and Dharmapuri district on the west. It lies between $12^{\circ}15'$ and $13^{\circ}15'$ north latitude and $78^{\circ}28'$ and $79^{\circ}5'$ east longitude. It has total geographical area of 5920.18sq km and is divided into seven taluks : Arakonam, Arcot, Gudiyatham, Tirupathur, Vaniyambadi, Vellore and Walajah.

Agro Ecological Region :

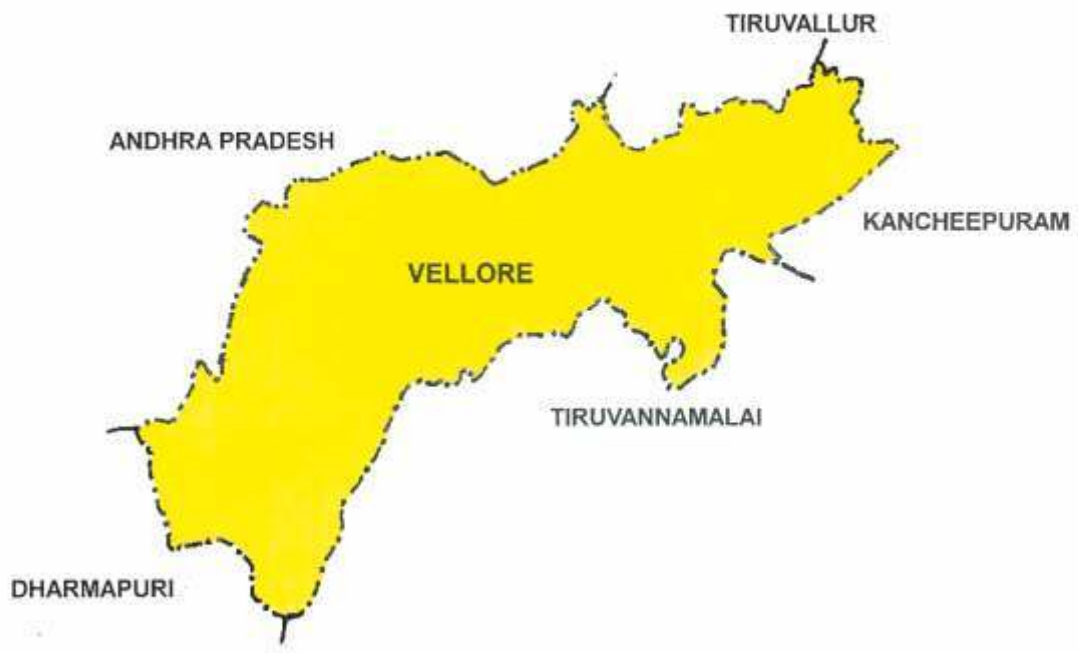
Eastern ghats (Tamilnadu uplands) and inland plains; hot semi arid; red loamy soils; growing period 90-150 days.

LOCATION MAP

VELLORE DISTRICT



VELLORE DISTRICT

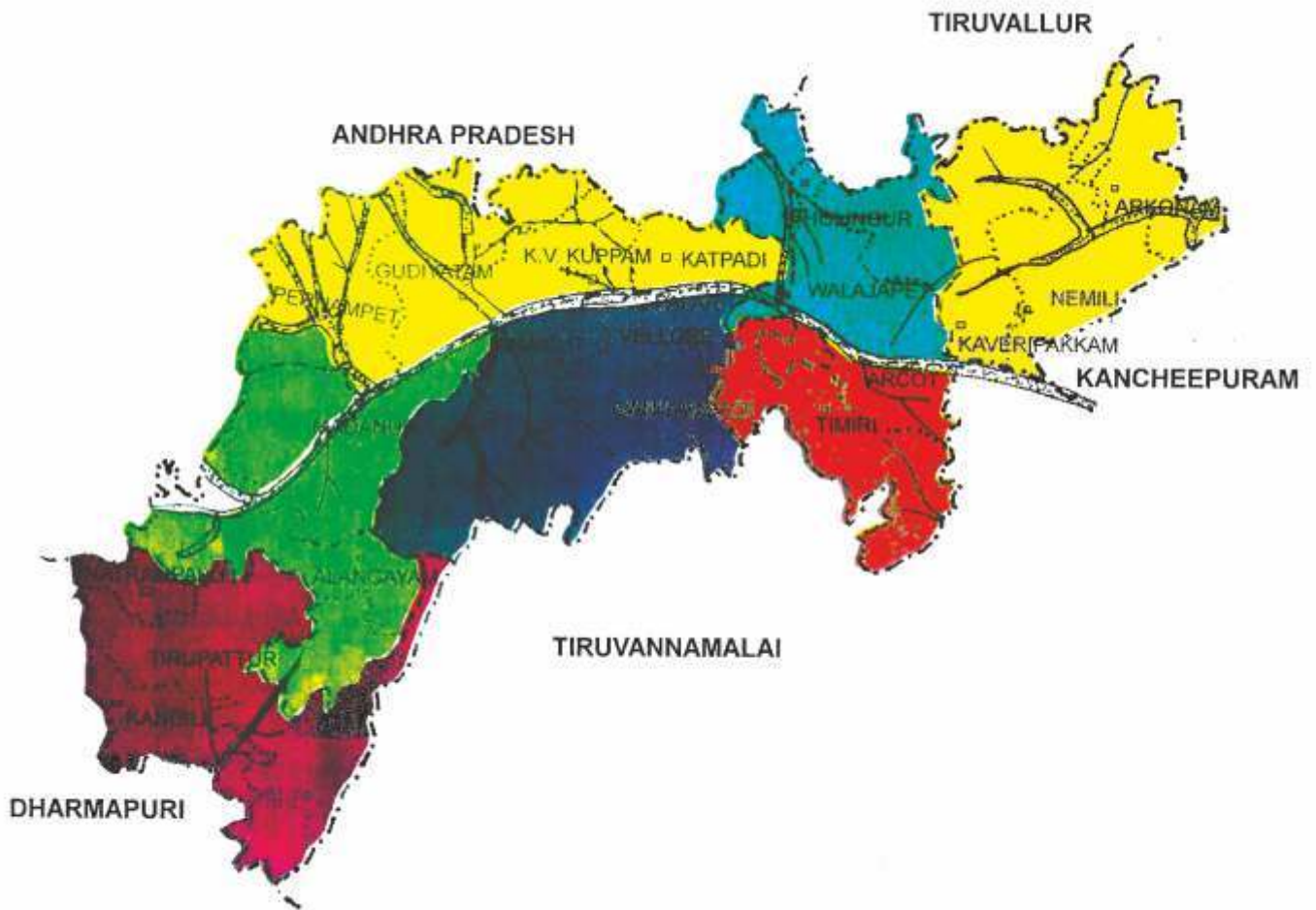


TALUKS & PANCHAYAT UNIONS

The district comprises of seven taluks and twenty panchayat unions as indicated below :

Taluk	Panchayat union
1. ARAKONAM	1. Arakonam 2. Kaveripakkam 3. Nemili
2. ARCOT	4. Arcot 5. Timiri
3. GUDIYATHAM	6. Gudiyatham 7. Katpadi 8. K.V. Kuppam 9. Pernambut
4. THIRUPATHUR	10. Jolarpet 11. Kandili 12. Natrampalli 13. Tirupathur
5. VANIYAMBADI	14. Alangayam 15. Madanoor
6. VELLORE	16. Anaicut 17. Vaniyambadi 18. Vellore
7. WALAJAH	19. Sholinghur 20. Walajah

TALUKS & PANCHAYAT UNIONS VELLORE DISTRICT



REFERENCE

-  STATE BOUNDARY
-  DISTRICT BOUNDARY
-  RIVER & GULLY

LEGEND

-  PANCHAYAT UNION
-  TALUK

ROADS & RAILWAYS

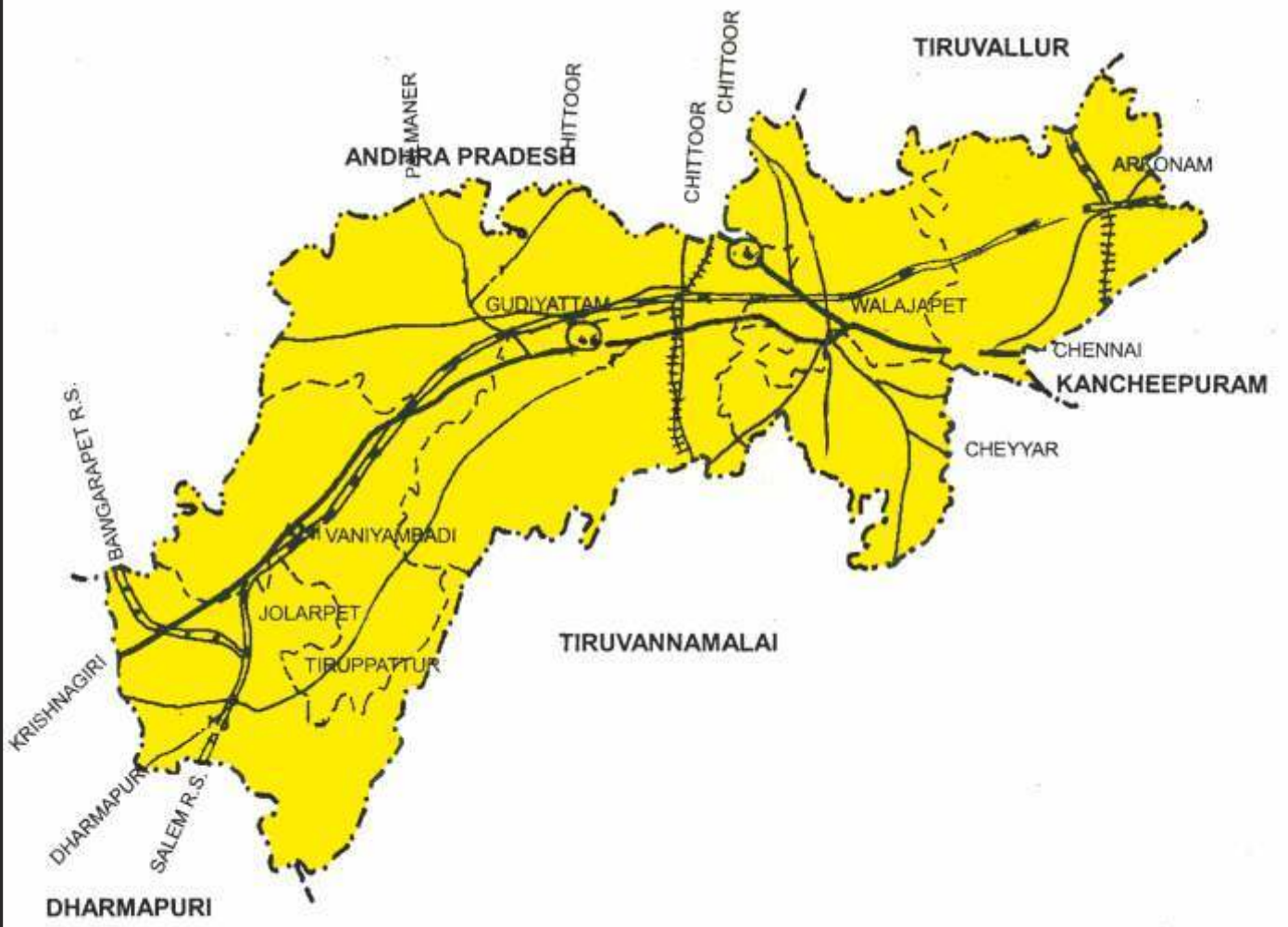
The capital of Tamilnadu State situated about 150 kms on the east side of this district. This enables more road and railways. One broadgauge (double line) and two metre gauge railway lines are passing through district.

The National Highway NH 46 passes through Vellore, Vaniyambadi and Natrampalli to Bangalore.

National Highway NH 4 to Andhra Pradesh passes through this District. All towns and important villages are connected through surface traffic. An airport with occasional landing of air crafts is located near Vellore.

ROADS & RAILWAYS

VELLORE DISTRICT



LEGEND

- N.H. ROAD
- ROAD
- RAILWAY LINE (BROAD GAUGE)
- RAILWAY LINE (METRE GAUGE)

REFERENCE

- STATE BOUNDARY
- DISTRICT BOUNDARY
- TALUK BOUNDARY

GEOLOGY

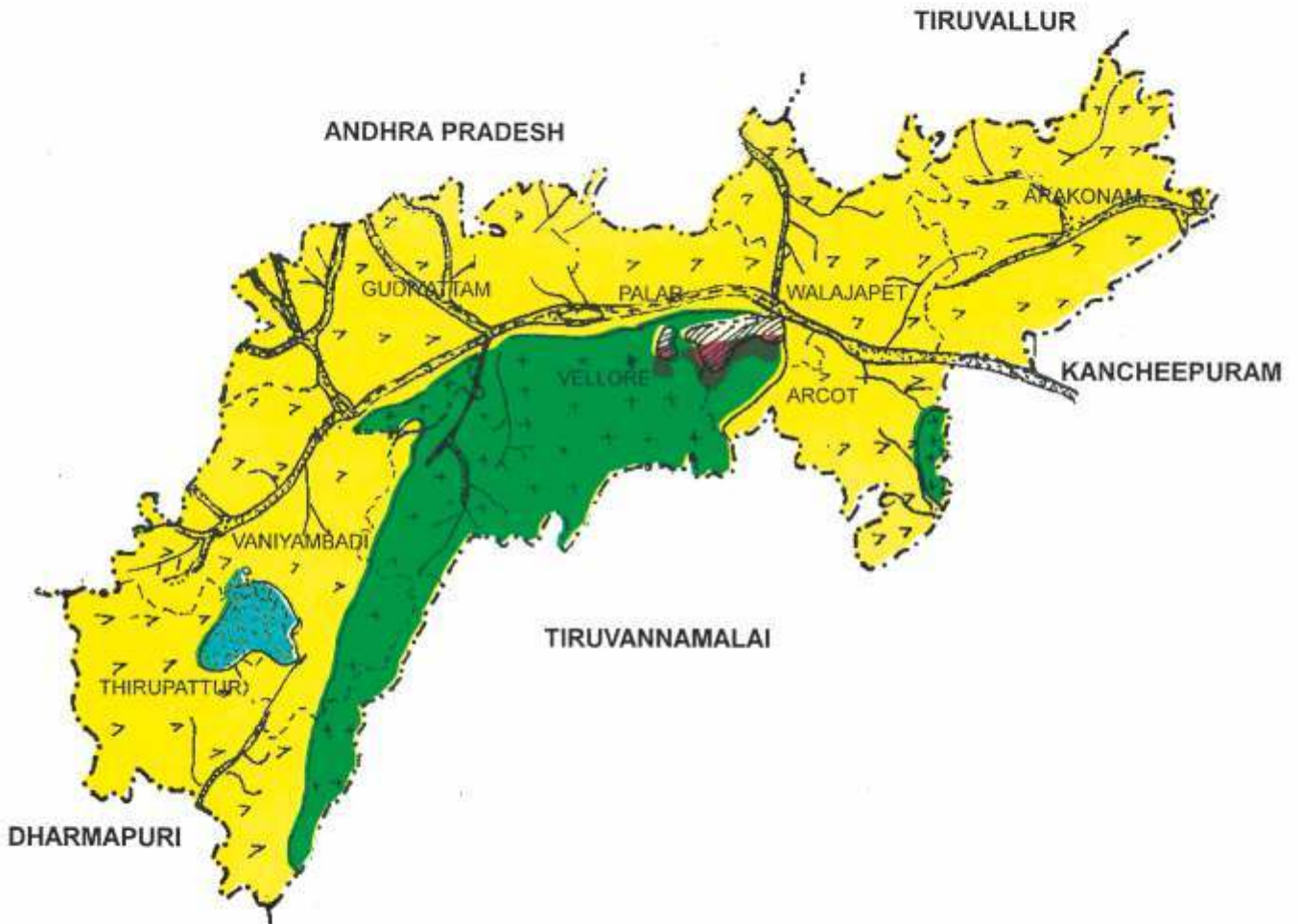
This consists mainly of crystalline rocks of Archaean metamorphic complex and predominant minerals are indicated below :

Taluk	Predominant mineral
1. ARAKONAM	Gneiss
2. ARCOT	Gneiss, charnokite, leptinites
3. GUDIYATHAM	Gneiss .
4. TIRUPATHUR	Gneiss, Charnokite, Dolarite and Epidate
5. VANIYAMBADI	Gneiss, charnokite, Dolarite
6. VELLORE	Charkokite, Leptinite, Gneiss
7. WALAJAH	Gneiss, Leptinites Charnokite




GEOLOGY





VELLORE DISTRICT



REFERENCE

- STATE BOUNDARY
- DISTRICT BOUNDARY
- TALUK BOUNDARY
-  RIVER & GULLY

LEGEND

-  CHARNOCKITE
-  GNEISS
-  DOLARITE & EPIDATE
-  LEPTINITES

PHYSIOGRAPHY

The district has an extensive hilly and rocky area as well as undulating plains. The western part has a high hilly terrain occupied by the hill ranges Javadu and Elagiri hills. The eastern part is gently undulating with isolated hillocks. Higher peaks are found at attitudes of 1184m (3882) in Govindapuram reserve forest, 1057m (3446) Malai Tirupathur. In the Elagiri hills peak 1240m (4066) is found.

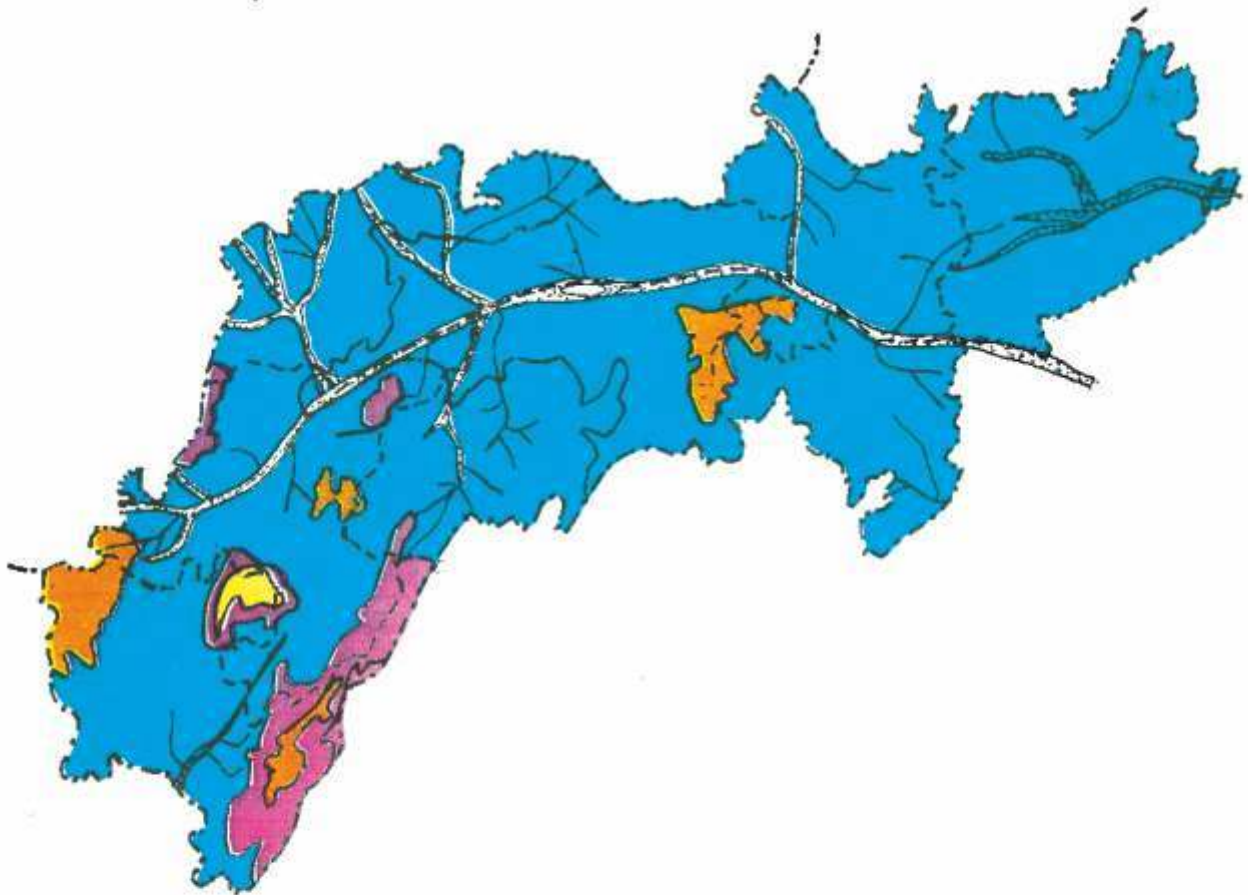
The eastern ghat ranges hills and highly dissected in the district Malatar, Goddar, Agram river, Oddakanar, Kallar and Ponnai river all joins the river Palar.

The river Palar flows along the taluks of Vaniyambadi, Gudiyatham, Vellore, Walajah, Arcot and Arakonam.

Inter hills basins and valleys are found between the dissected hills and hillocks. The plain area of the district can be found on the easternside of district.

PHYSIOGRAPHY

VELLORE DISTRICT



REFERENCE

- State boundary
- District boundary
- - - - - Taluk boundary
- Reserve Forest
- (Kc) Soil boundary

LEGEND

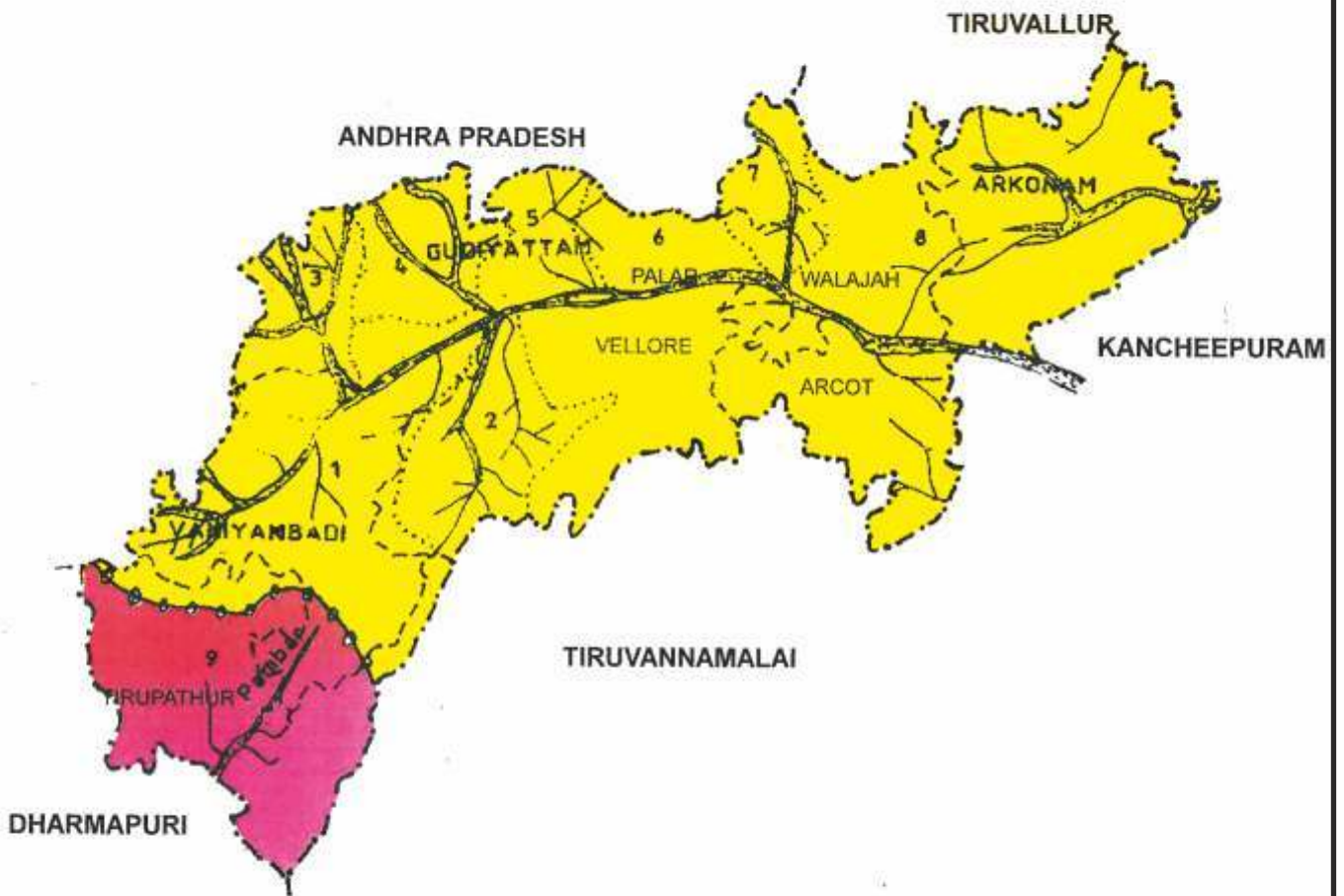
- 0 - 1000 Ft
- 1000 - 1500 Ft
- 1500 - 2000 Ft
- 2000 - 4000 Above

DRAINAGE & RIVER BASINS





River / Basin	Place of origin	Places passing through	Drainage
I. Palar Major Basin :			
KAL-AR minor basin	Andhrapradesh	Natrampalli	Towards Vaniyambaid
Agaram-Ar Minor basin	Kathamalai RF - Hills Virappanur RF	Agaram	Govindapadi village Palar river
Malatak - Minor basin	Bethalapalli RF - Hills Charakal RF Nayakaneru RF - Hills	Baluru Pernambut Mariyambattu	Pachakuppam Palar
Kavundinyanadhi minor basin	Morthana RF Synagunta RF	Gudiyatham	Kilachur Palar
K.V. Kuppam minor basin	Kallapadi RF Virusettipalli RF - Hills	Pasumarathur	Palar
Chittoor - minor basin	Thondanthulasi RF	Karikari	Palar Vellore
Ponnai - minor basin	Ponnai	Ponnai	Thiruvalam Vellore
Kallar - Minor basin	Paranji Minnal	Minnal Thokkalam	Kancheepuram District
II Ponnaiyar Major Basin :			
Pambar	Andiappanoor RF Narasiyapuram RF Alangayam RF - Hills	Poonkulam Andiappanoor Kurusilapattu	Ponnaiyar Dharmapuri District

DRAINAGE & RIVER BASINS

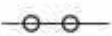


VELLORE DISTRICT



REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  River & gully

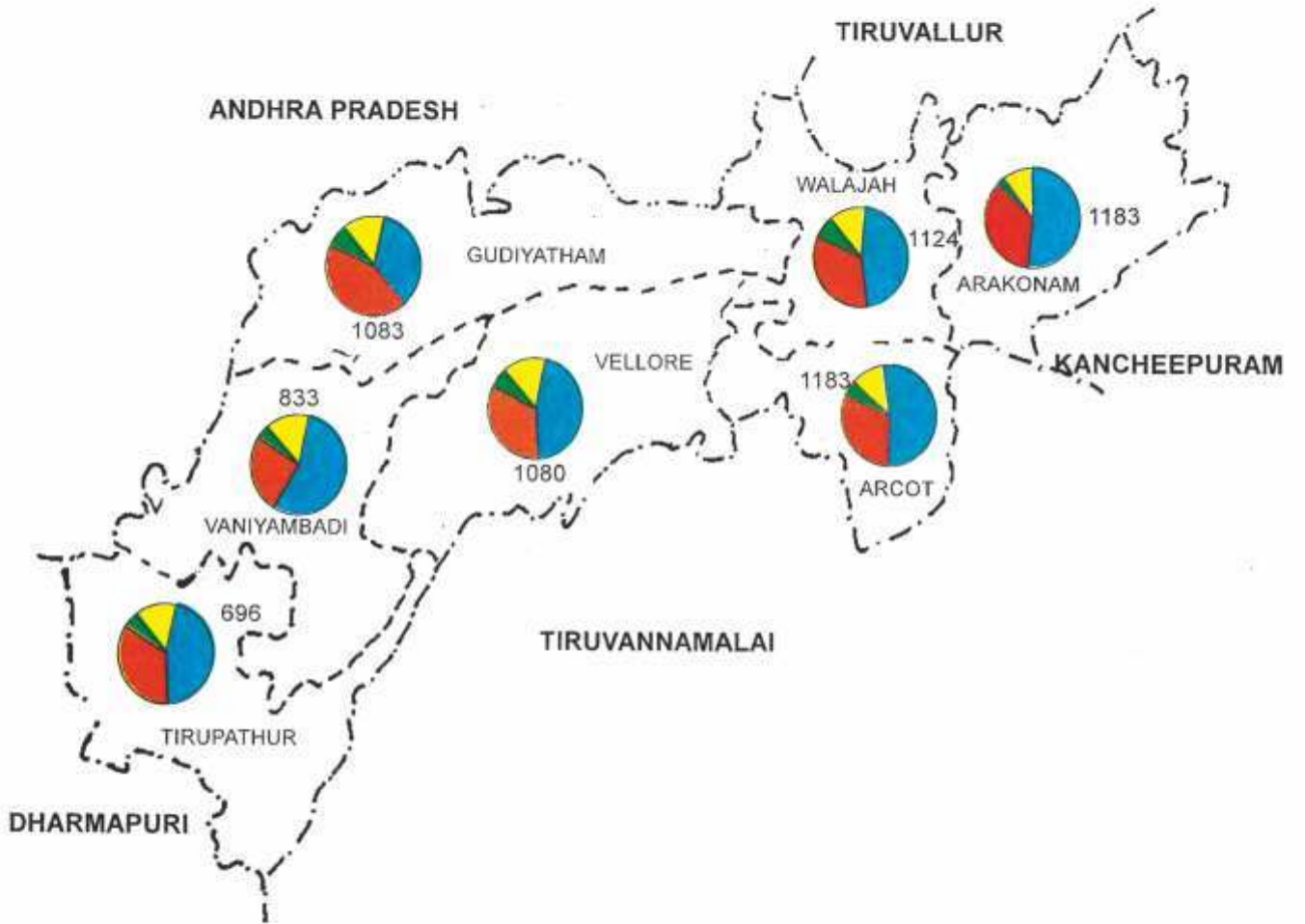
LEGEND

-  MAIN RIVER BASIN
-  MINOR
-  DRAINAGE COURSE

RAINFALL

Taluk	Mean annual rainfall	Southwest monsoon (Jun - Sep)		Northeast monsoon (Oct - Dec)		Winter monsoon (Jan - Feb)		Summer monsoon (Mar - May)	
	mm	mm	%	mm	%	mm	%	mm	%
1. ARAKONAM	1183	582	49.2	505	47.7	16	1.3	80	6.8
2. ARCOT	1183	587	49.6	488	41.3	13	1.1	95	8.0
3. GUDIYATHAM	1083	454	41.9	468	43.2	7	0.6	154	14.3
4. TIRUPATHUR	696	348	50.0	249	35.7	1	0.2	98	14.1
5. VANIYAMBADI	833	479	57.5	278	33.3	2	0.3	74	8.9
6. VELLORE	1080	508	47.1	470	43.5	2	0.1	100	9.3
7. WALAJAH	1124	523	46.5	513	45.7	10	0.9	78	6.9
Mean for the district	1026	497	48.5	424	41.3	7	0.7	97	9.5

RAINFALL VELLORE DISTRICT



REFERENCE

- State boundary
- District boundary
- Taluk boundary
- River & gully

LEGEND



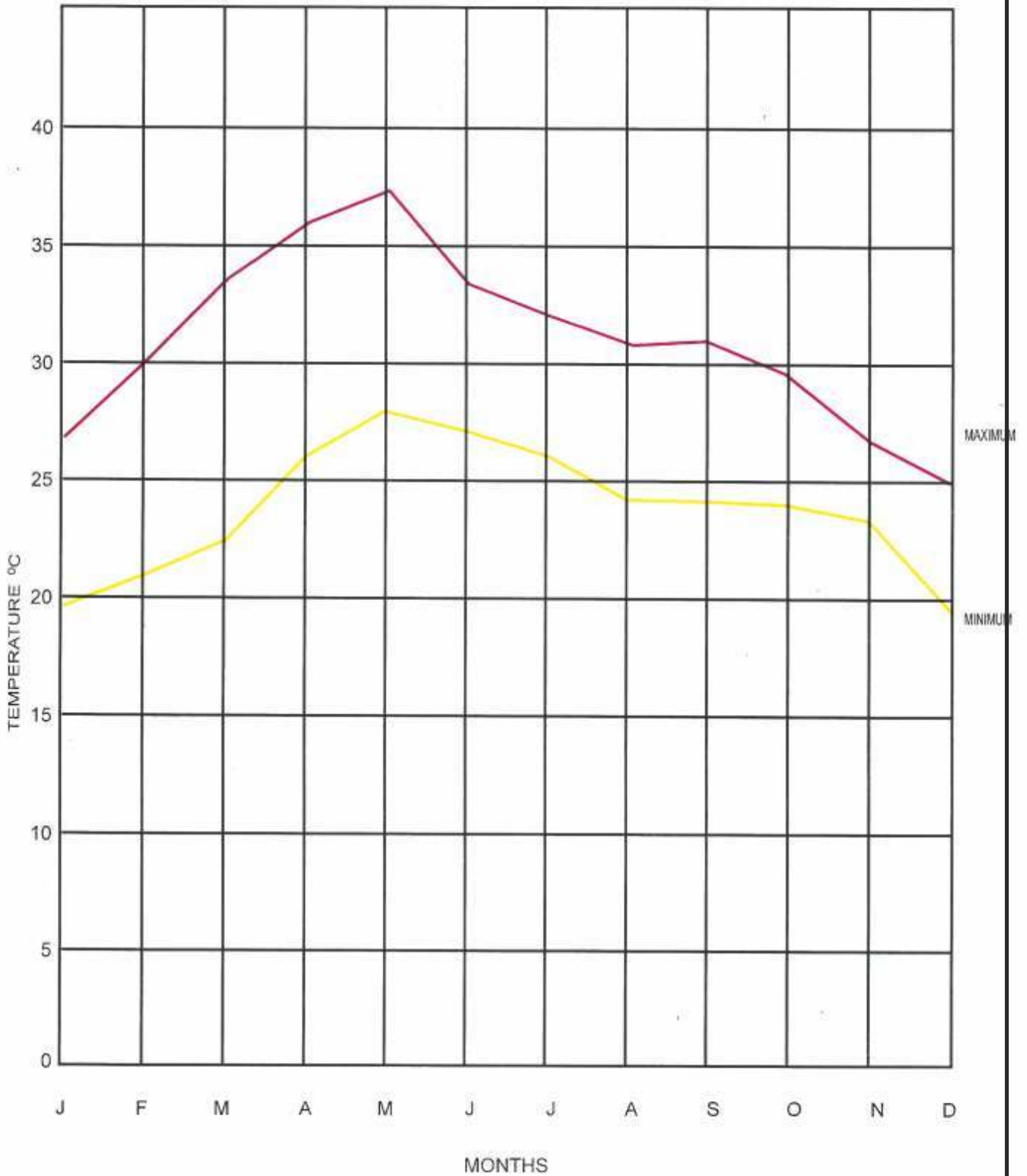
1026 ANNUAL RAINFALL

TEMPERATURE

The mean annual temperature is 28.43°C. Data of atmospheric temperature (°C) is given below :

Month	Maximum temperature (°C)	Minimum temperature (°C)	Mean temperature (°C)
January	27.17	19.51	23.34
February	31.76	20.98	26.37
March	35.06	22.31	28.68
April	37.41	26.43	31.92
May	38.03	27.85	32.94
June	35.39	27.28	31.33
July	33.78	26.76	30.27
August	32.66	24.1	28.38
September	32.90	24.42	29.16
October	31.41	24.88	28.14
November	29.76	23.74	26.75
December	27.50	20.42	23.96
Mean	32.73	24.14	28.43

TEMPERATURE VELLORE DISTRICT



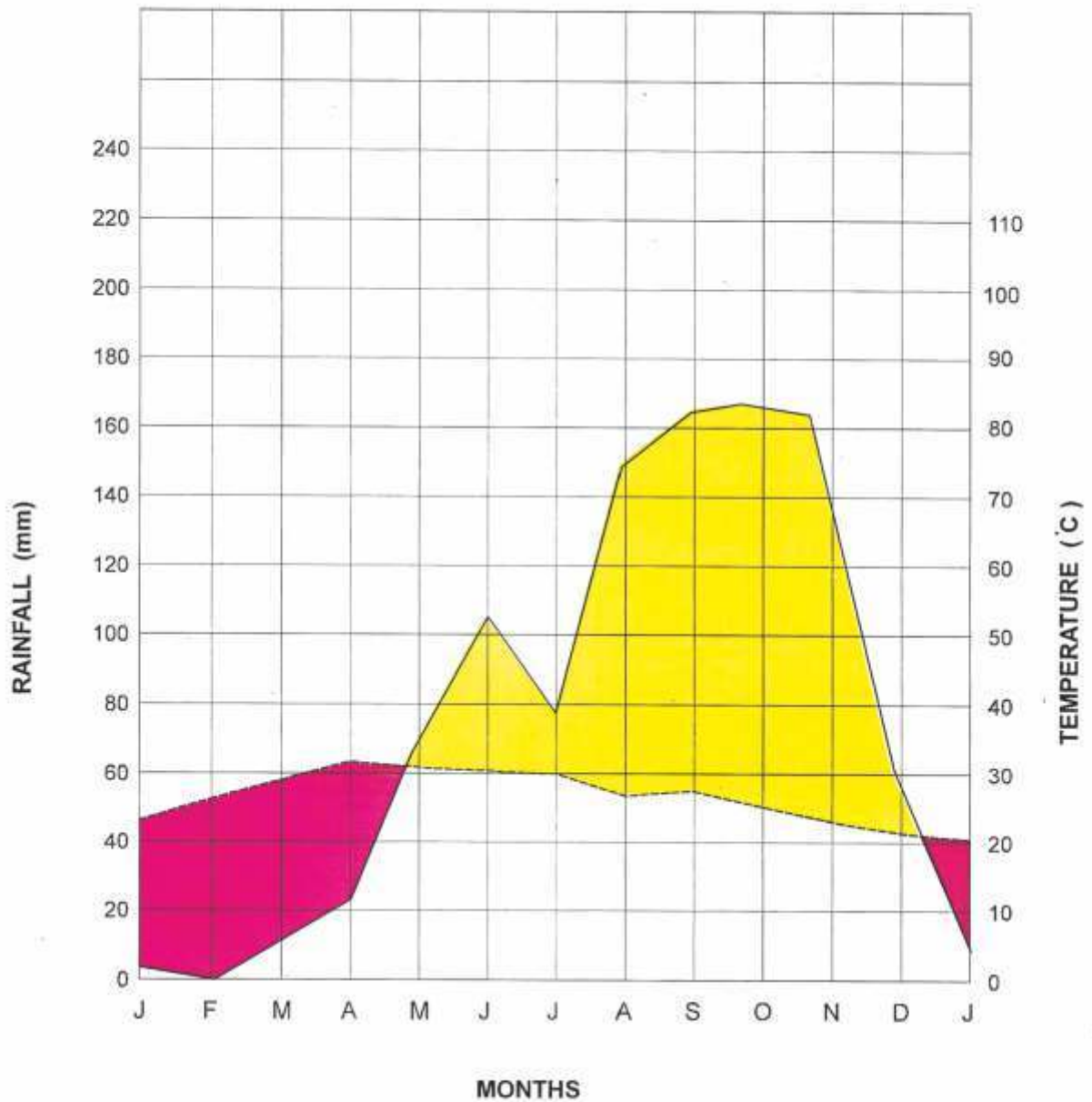
OMBROTHERMIC DATA

Month	Mean rainfall (mm)	Mean temperature (°C)
January	6.3	23.34
February	1.0	26.37
March	10.3	28.68
April	21.8	31.92
May	73.9	32.94
June	107.5	31.33
July	79.7	30.27
August	152.6	28.38
September	168.5	29.16
October	170.6	28.14
November	164.8	26.75
December	69.0	23.96
	Total 1026.0 mm	Mean 28.43

The Ombrothermic diagram indicates seven months of wet period in two spells in a year and five months of dry period.

OMBROTHERMIC DIAGRAM

VELLORE DISTRICT



WET MONTHS



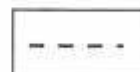
DRY MONTHS



RAINFALL (mm)



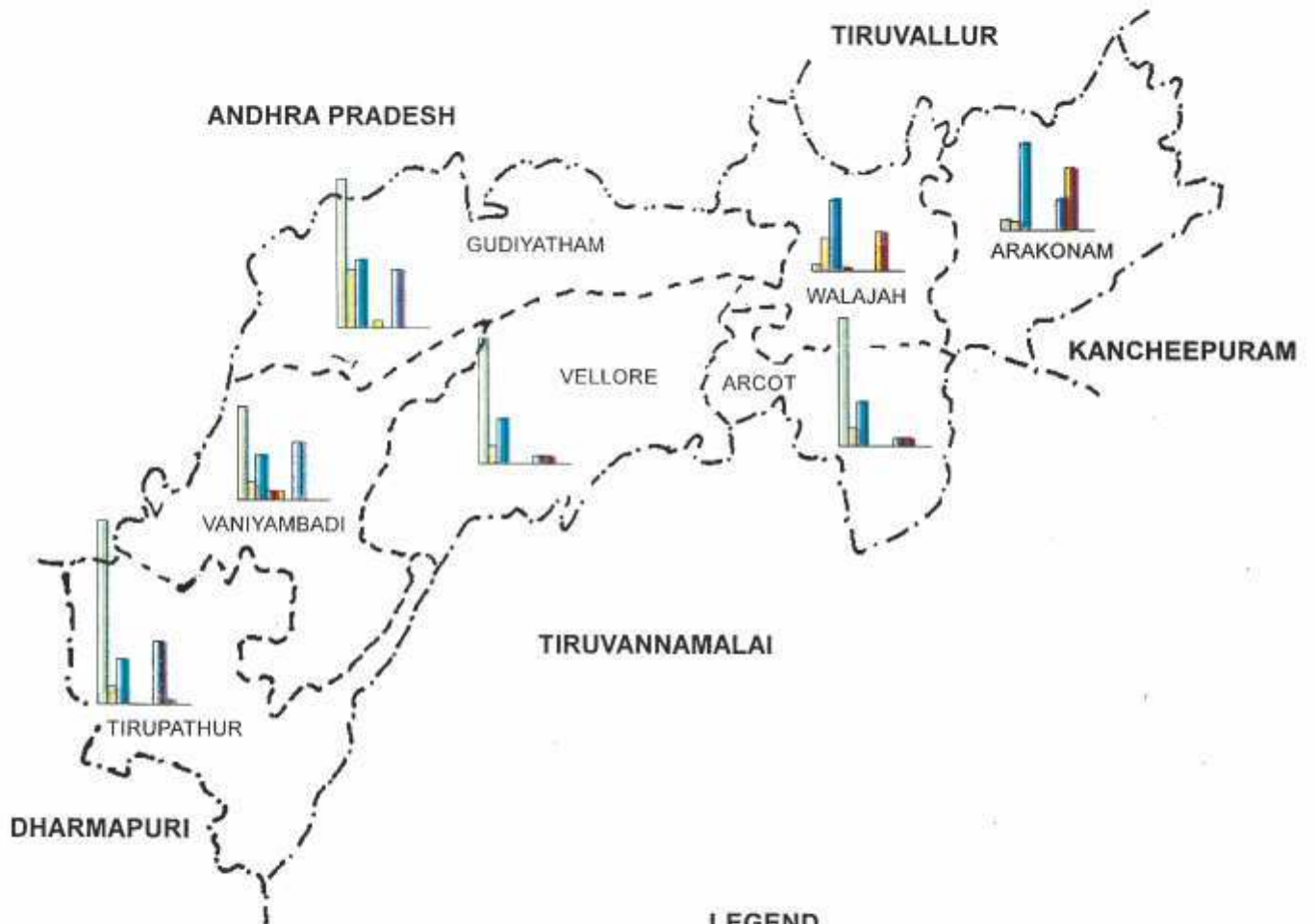
TEMPERATURE (°C)



LAND USE PATTERN

Land use		Arakonam	Arcot	Gudi-yatham	Tiru-pathur	Vaniyam-badi	Vellore	Walajah	Total
Total geographical area	ha %	84,187 (100)	52,157 (100)	1,13,009 (100)	1,13,111 (100)	84,007 (100)	85,459 (100)	60,088 (100)	5,92,018 (100)
1. Forest	ha %	1,582 (1.88)	5,301 (10.16)	41,764 (36.96)	46,508 (41.12)	18,219 (21.68)	44,717 (52.32)	3,138 (5.28)	1,61,229 (27.2)
2. Barren and uncultivable land	ha %	794 (0.94)	3,049 (3.56)	7,021 (6.21)	3,549 (3.14)	4,792 (2.70)	3,049 (3.56)	5,587 (9.29)	26,054 (4.40)
3. Land put to non agricultural use	ha %	22,517 (26.79)	8,788 (10.28)	11,536 (10.22)	6,546 (5.78)	5,483 (6.52)	8,788 (10.28)	14,965 (24.90)	82,355 (13.91)
4. Cultivable waste	ha %	757 (0.90)	814 (0.95)	1,014 (0.90)	779 (0.69)	1,472 (1.75)	812 (0.95)	913 (1.59)	6,989 (1.18)
5. Permanent pastures and grazing land	ha %	1,165 (1.38)	168 (9.19)	297 (0.26)	192 (0.87)	1,285 (1.55)	168 (0.19)	226 (0.38)	3,833 (0.64)
6. Miscellaneous tree crops and groves	ha %	413 (0.49)	198 (0.23)	244 (0.22)	202 (0.18)	244 (0.29)	198 (0.23)	181 (0.30)	1,830 (0.3)
7. Current fallow	ha %	5,136 (6.10)	1,288 (1.50)	9,526 (8.43)	7,844 (6.93)	12,931 (15.39)	1,288 (1.50)	NA	37,187 (6.28)
8. Other fallow land	ha %	14,279 (16.96)	1,057 (1.28)	596 (0.53)	2,938 (2.60)	214 (0.26)	1,057 (1.28)	10,459 (17.40)	36,454 (6.15)
9. Net area sown	ha %	37,504 (44.56)	25,380 (29.69)	40,991 (36.27)	44,554 (39.39)	39,367 (46.86)	25,380 (29.69)	2,419 (40.98)	2,36,117 (39.88)



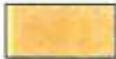


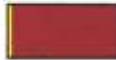



LAND USE PATTERN VELLORE DISTRICT



LEGEND

REFERENCE

- State boundary
- - - - - District boundary
- - - - - Taluk boundary

	1 Forest land		6 Miscellaneous trees and groves
	2 Barren uncultivable land		7 Current fallows
	3 Uncultivable land under Non Agriculture use		8 Fallow land other than current fallows
	4 Cultivable waste		9 Net area sown
	5 Pasture land		

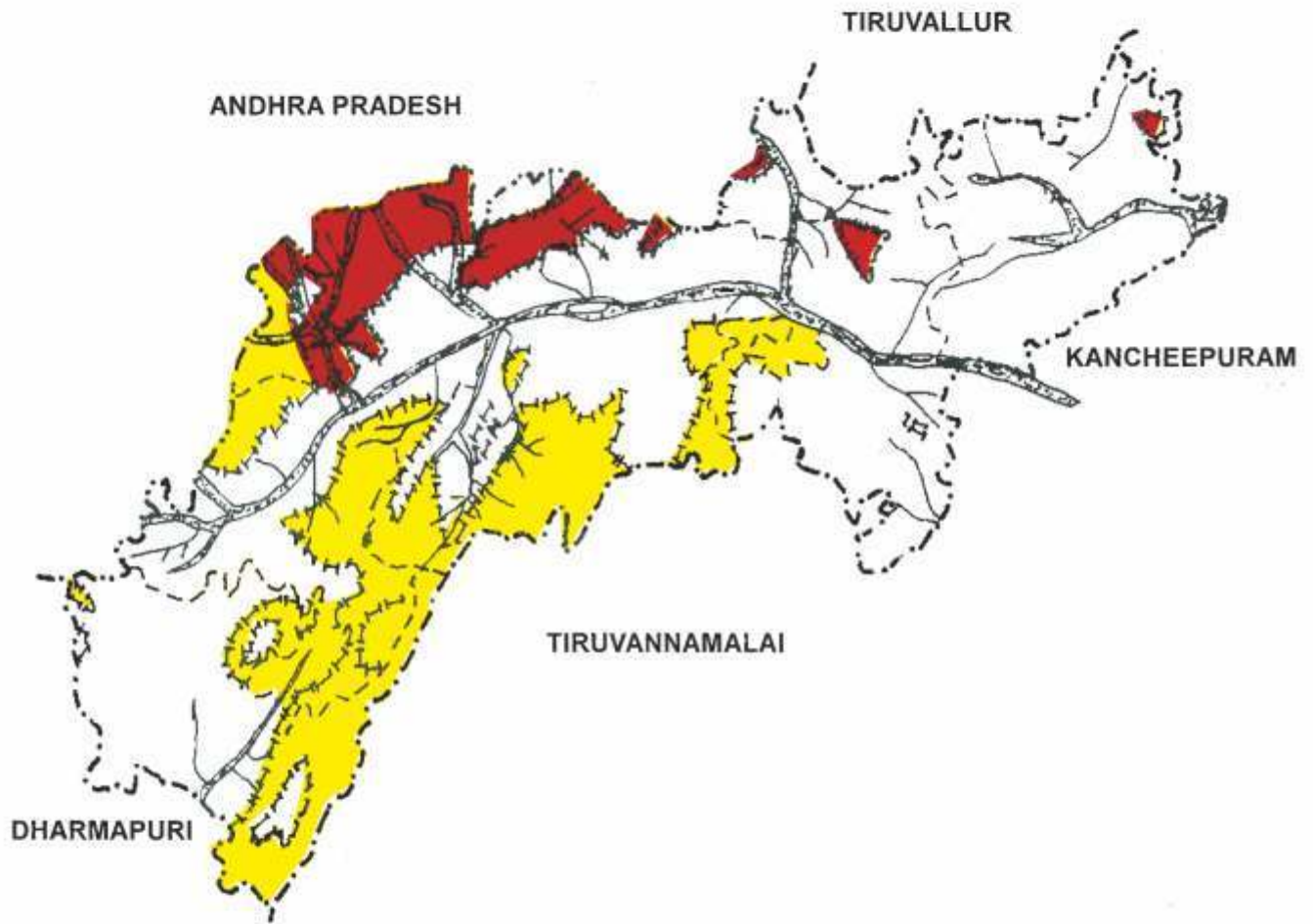
FORESTS



Taluk	Area	
	ha	%
1. ARAKONAM	1,582	0.98
2. ARCOT	5,301	3.29
3. GUDIYATHAM	41,764	25.90
4. TIRUPATHUR	46,500	28.84
5. VANIYAMBADI	18,219	11.30
6. VELLORE	44,717	27.73
7. WALAJAH	3,138	1.96
Total	1,61,229	100.00



FOREST

VELLORE DISTRICT



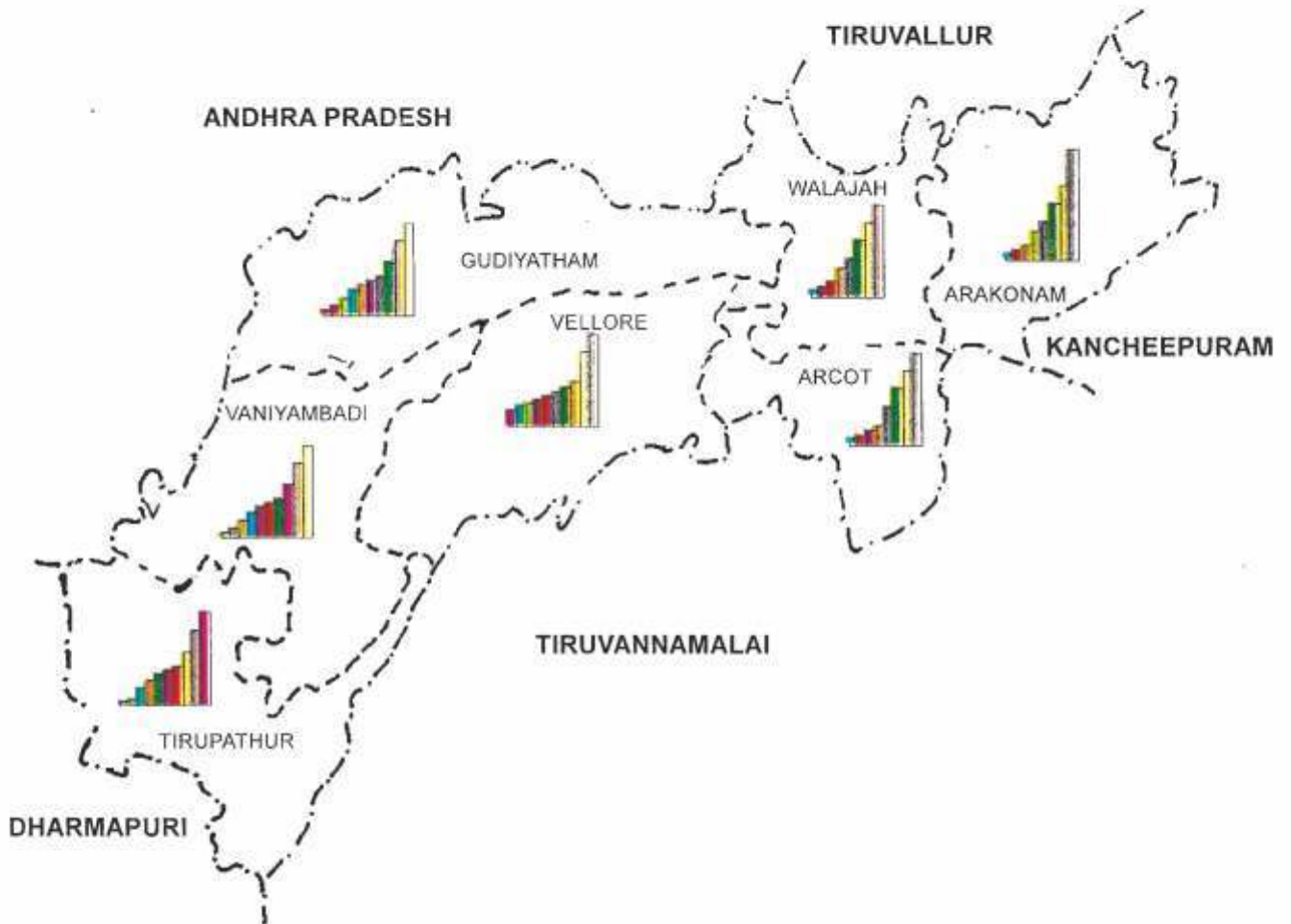
-  TROPICAL THORN FOREST
-  TROPICAL DRY DECIDUOUS FOREST

CROP AREA

(Area in hectares)




Crop	Arakonam	Arcot	Gudi- yatham	Tiru- pathur	Vaniyam- badi	Vellore	Walajah	Total
1. Rice	24,296	15,440	9,610	8,113	6,922	9,263	13,202	86,846
2. Cholam	291	807	2,451	2,352	1,567	2,832	1,559	11,859
3. Cumbu	488	76	753	357	344	595	33	2,646
4. Ragi	227	125	587	4,984	2,082	2,384	303	10,692
5. Sugarcane	4,005	2,114	6,776	2,420	4,320	2,822	2,948	25,405
6. Pulses	1,212	1,650	3,215	3,063	1,683	2,616	1,956	15,395
7. Cotton	—	—	57	13,176	4,605	173	—	18,011
8. Groundnut	14,563	9,189	14,291	7,359	9,154	8,740	6,952	70,248
9. Banana	142	242	2,683	352	1,942	1,916	235	7,512
10. Coconut	64	85	2,040	1,270	943	218	57	4,677
11. Others	1,018	416	2,995	1,113	13,571	2,991	617	22,771
Total	46,356	30,144	45,458	44,559	47,133	34,550	27,862	2,76,062

CROP AREA VELLORE DISTRICT



LEGEND

REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary

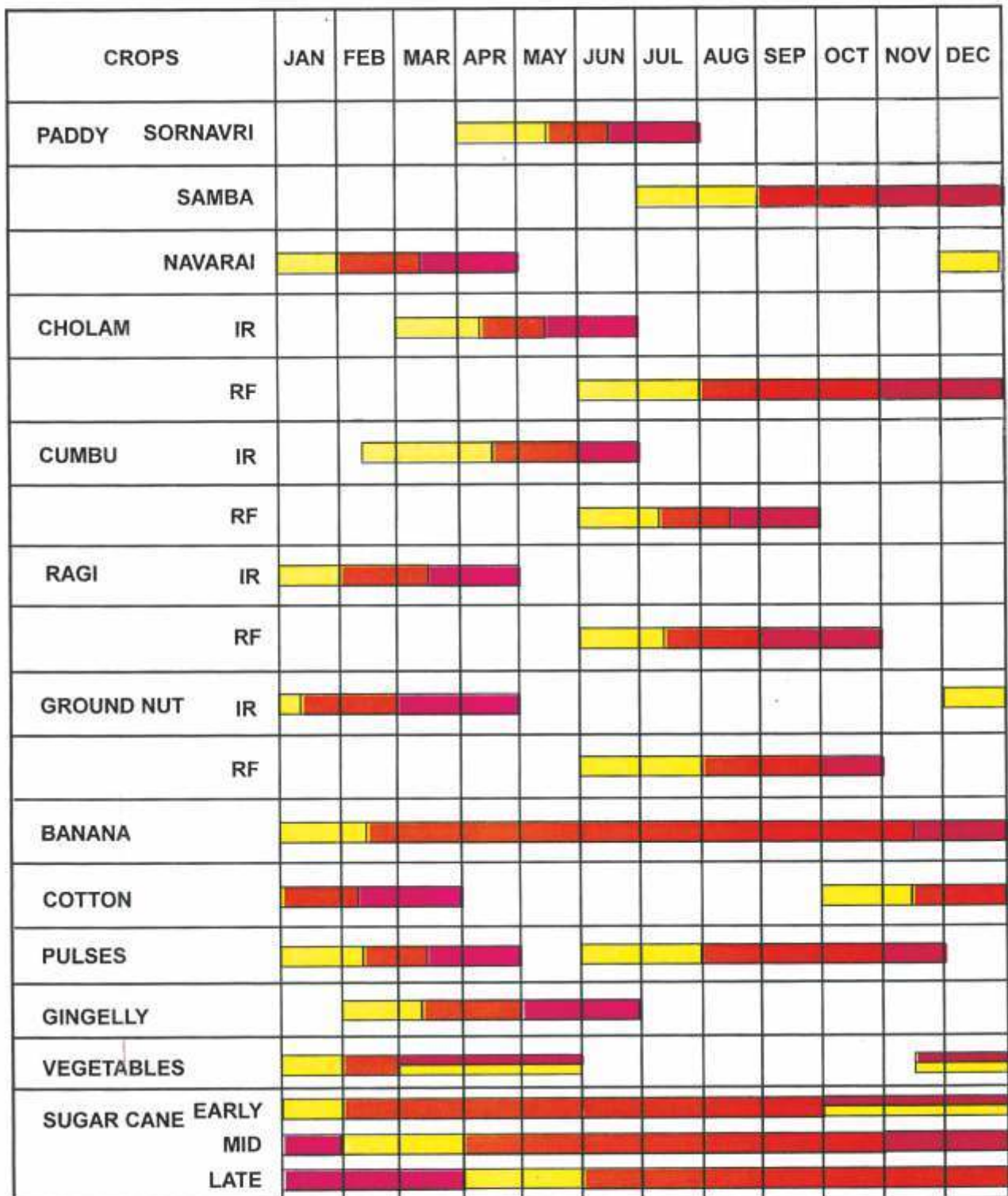
	RICE		SUGARCANE
	CHOLAM		BANANA
	CUMBU		COTTON
	RAGI		GROUNDNUT
	PULSES		COCONUT

CROPPING CALENDAR

The major crops grown in the district are Paddy, Cholan, Ragi, Cumbu, Groundnut, Cotton, Sugarcane, Banana, Coconut and Vegetables. The Phenologic seasons of these crops are shown in the chart indicating the various stages of crops during different months.

CROPPING CALENDAR

VELLORE DISTRICT



IR - IRRIGATED RF - RAINFED

Sowing Stage Vegetative Stage Harvest Stage

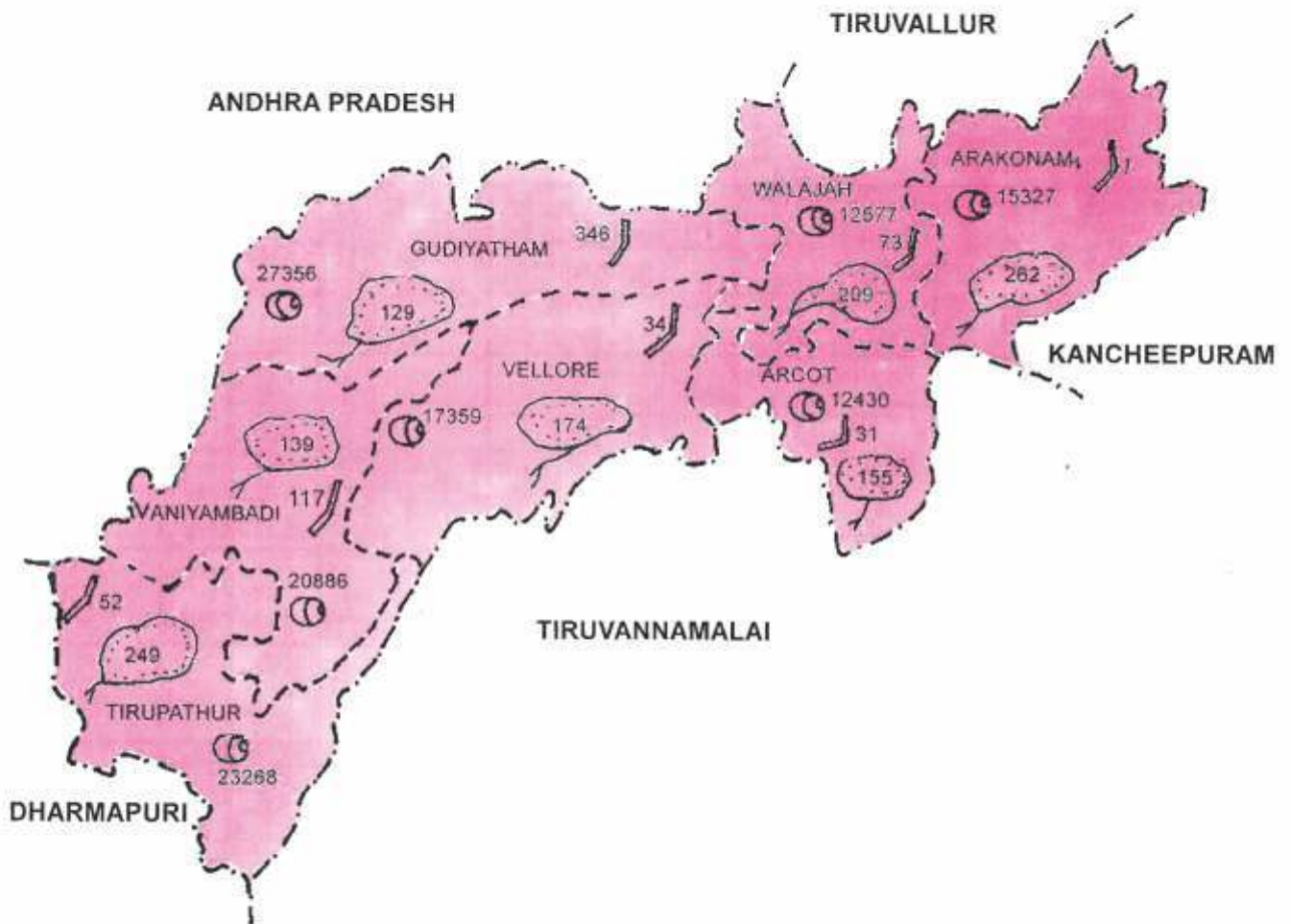
SOURCES OF IRRIGATION

The main source of irrigation are wells and tanks. The canals and open wells are more in Gudiyatham taluk. Tube Wells are more in Vaniyambadi taluk. The Palar river passes through all the taluks in the major part of the district. Due to poor rainfall it remains dry for most part of the year. During rainy season it feeds many tanks on its way. The surplus of the tanks is fed to subsequent tanks. Kaveripakkam is the biggest tank in the district fed by Palar by separate channel.

Taluk	Canals	Wells	Tanks
1. Arakonam	1	15,327	262
2. Arcot	31	12,430	155
3. Gudiyatham	346	27,356	129
4. Tirupathur	52	23,268	249
5. Vaniyambadi	117	20,882	139
6. Vellore	34	17,359	174
7. Walajah	73	12,577	209
Total	654	1,29,199	1,317

SOURCES OF IRRIGATION

VELLORE DISTRICT



REFERENCE

- State boundary
- District boundary
- Taluk boundary
- River & gully

LEGEND

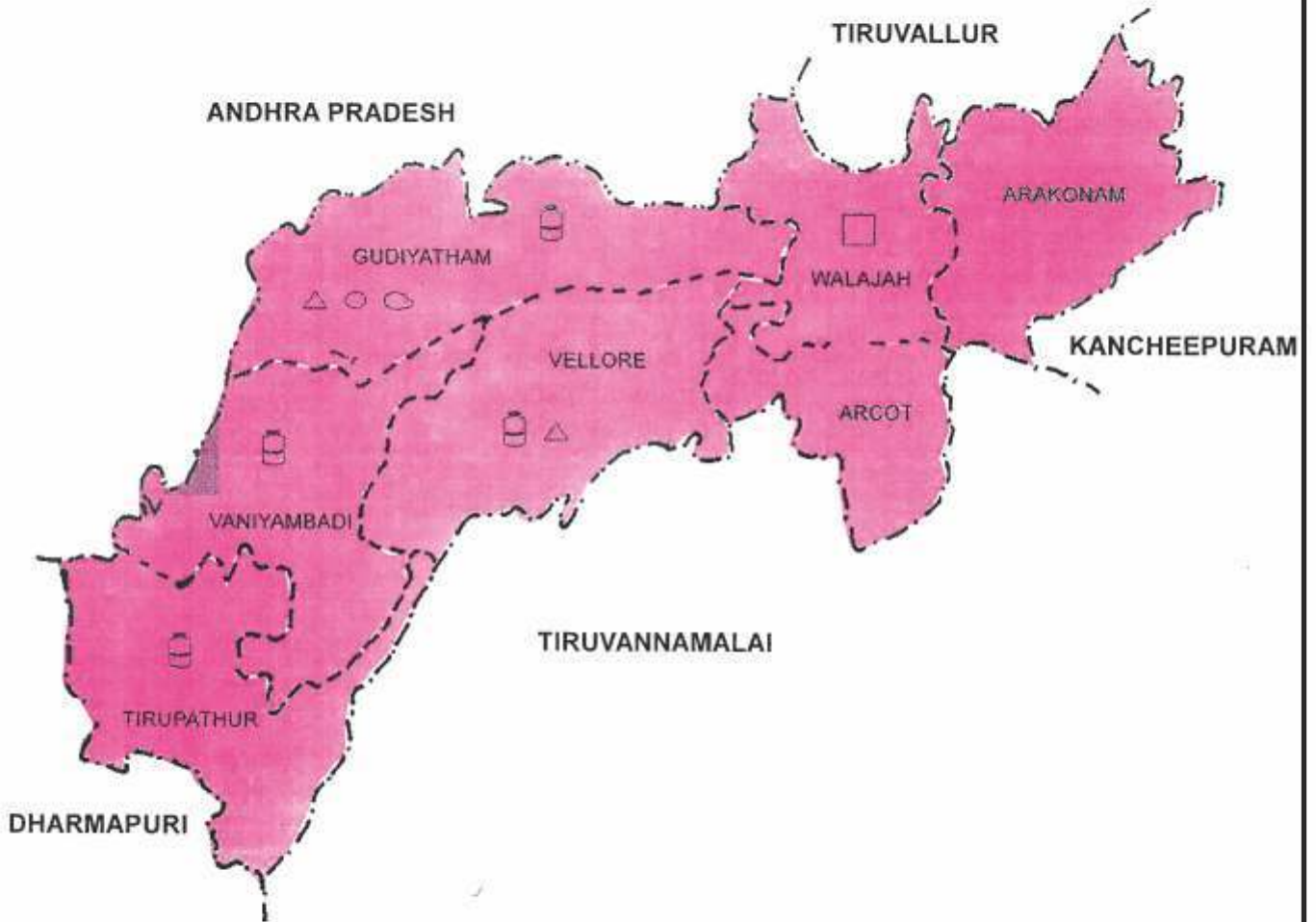
- WELL
- TANK
- CANALS

AGRICULTURAL INSTITUTIONS


Taluk	State seed Farm	Agricultural School	Seed processing Unit	Research Station	Agricultural Laboratory	Agricultural Depot.
1. Arakonam	—	—	—	—	—	4
2. Arcot	—	—	—	—	—	4
3. Gudiyatham	—	—	1	2	2	6
4. Tirupathur	—	—	—	—	—	6
5. Vaniyambadi	—	—	—	—	—	6
6. Vellore	—	—	—	—	1	4
7. Walajah	2	—	—	—	—	6
Total	2	—	1	2	3	36

AGRICULTURAL INSTITUTIONS

VELLORE DISTRICT



REFERENCE

- State boundary
- . - . - . District boundary
- - - - - Taluk boundary
-  River & gully

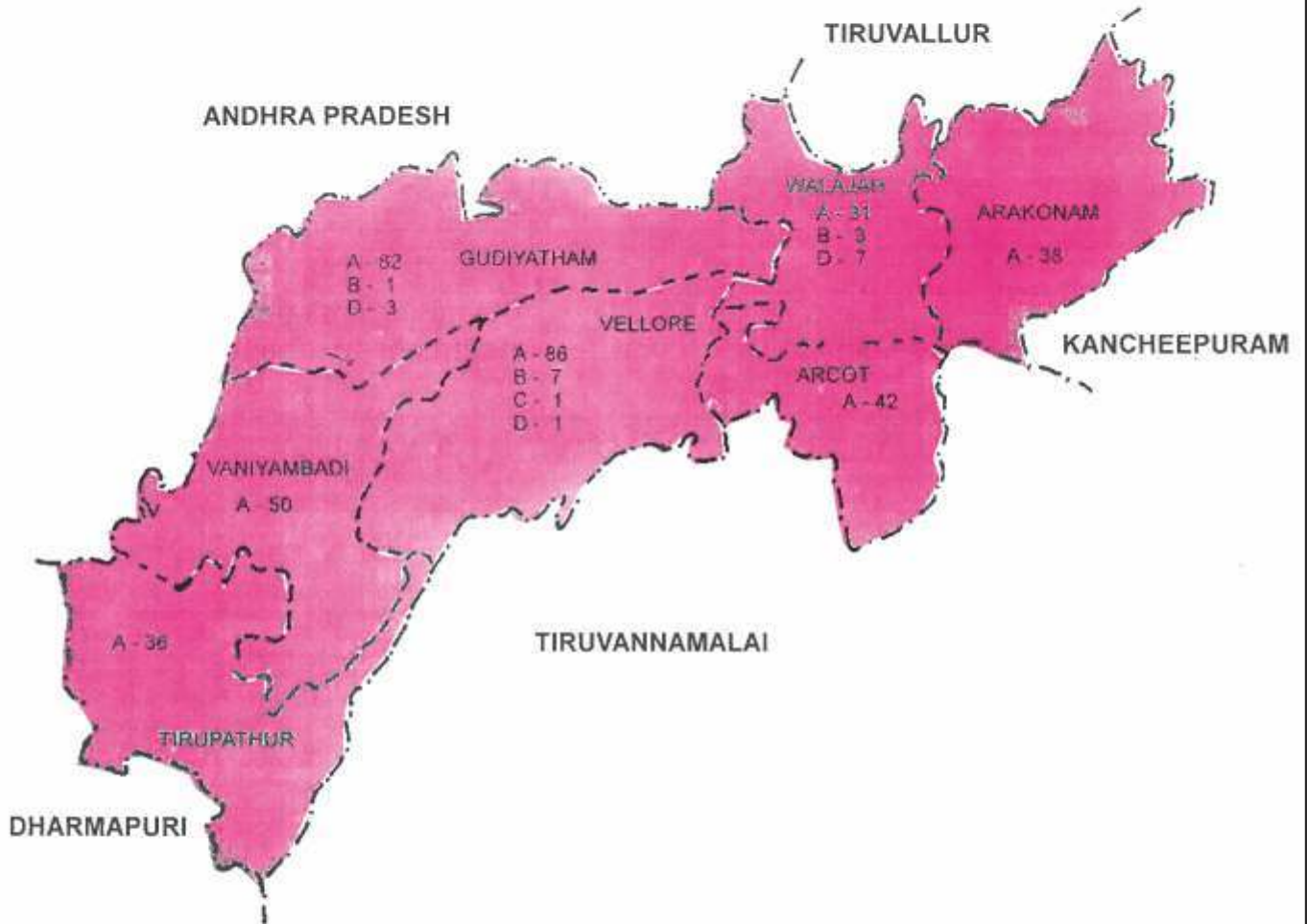
LEGEND

-  Seed processing unit
-  State seed farm
-  Research farm
-  Agricultural Depot
-  Agricultural Departmental Laboratory

AGRO INDUSTRIES

Industry	Arakonam	Arcot	Gudi- yatham	Tiru- pathur	Vaniyam- badi	Vellore	Walajah	Total
1. Food products	38	42	62	36	50	86	31	345
2. Beverages / Tobacco products	—	—	1	—	—	7	3	11
3. Cotton Textiles	—	—	—	—	—	1	—	1
4. Other Textiles	—	—	3	—	—	1	7	11
Total	38	42	66	36	50	95	41	368

AGRO INDUSTRIES VELLORE DISTRICT



REFERENCE

- State boundary
- - - - - District boundary
- - - - - Taluk boundary

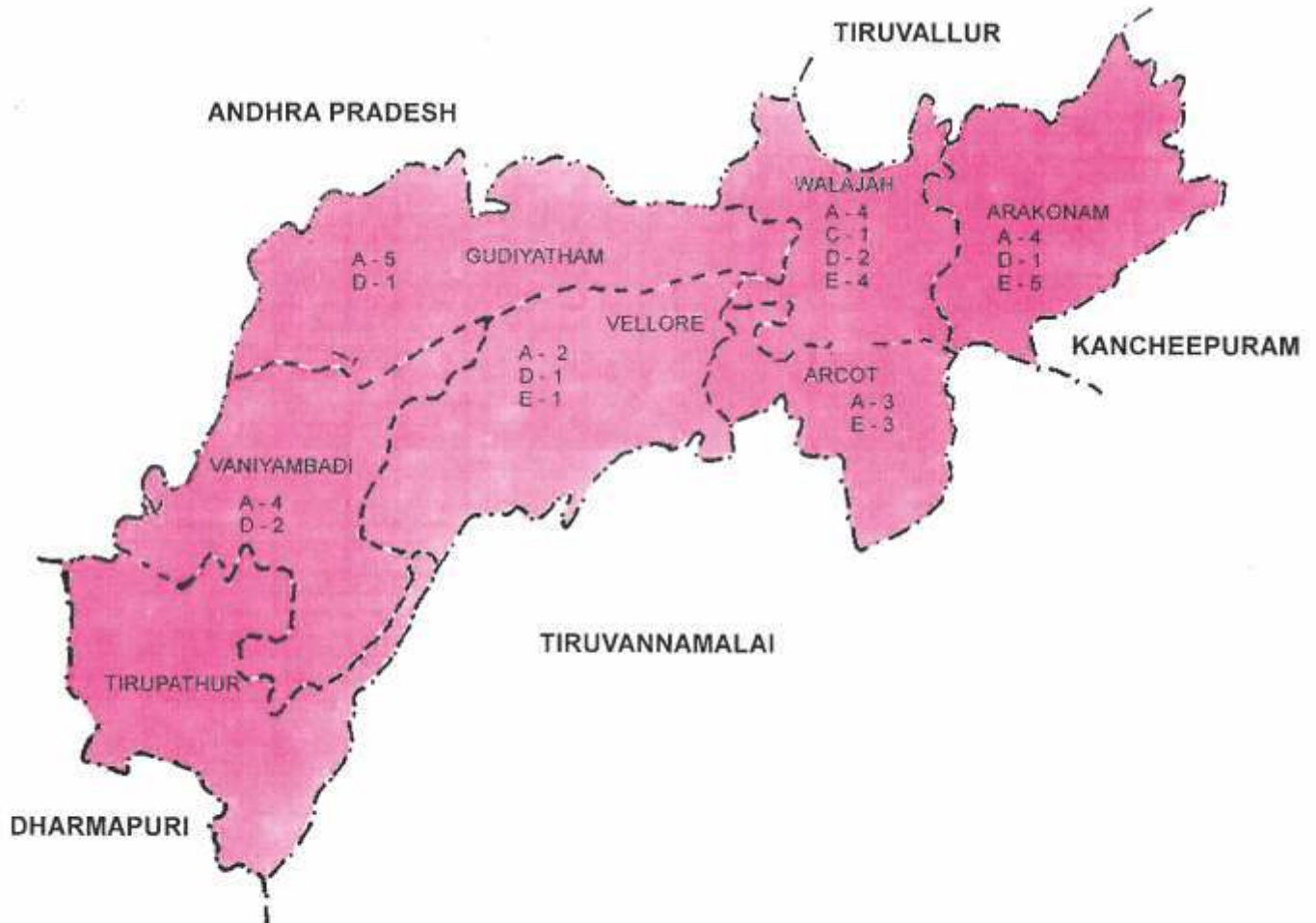
LEGEND

- A - FOOD PRODUCTS
- B - BEVERAGES & TOBACCO PRODUCTS
- C - COTTON TEXTILES
- D - OTHERS


ANIMAL HUSBANDRY INSTITUTIONS

Taluk	Veterinary hospital	Mobile unit	Resarch institution	Slaughter house	Artificial insemination centre
1. Arakonam	4	—	—	1	5
2. Arcot	3	—	—	—	3
3. Gudiyatham	5	—	—	1	—
4. Vaniyambadi	4	—	—	2	—
5. Vellore	2	—	—	1	1
6. Walajah	4	—	1	2	4
Total	22	—	1	7	13

ANIMAL HUSBANDRY INSTITUTIONS VELLORE DISTRICT



REFERENCE

- State boundary
- - - - - District boundary
- - - - - Taluk boundary
-  River & gully

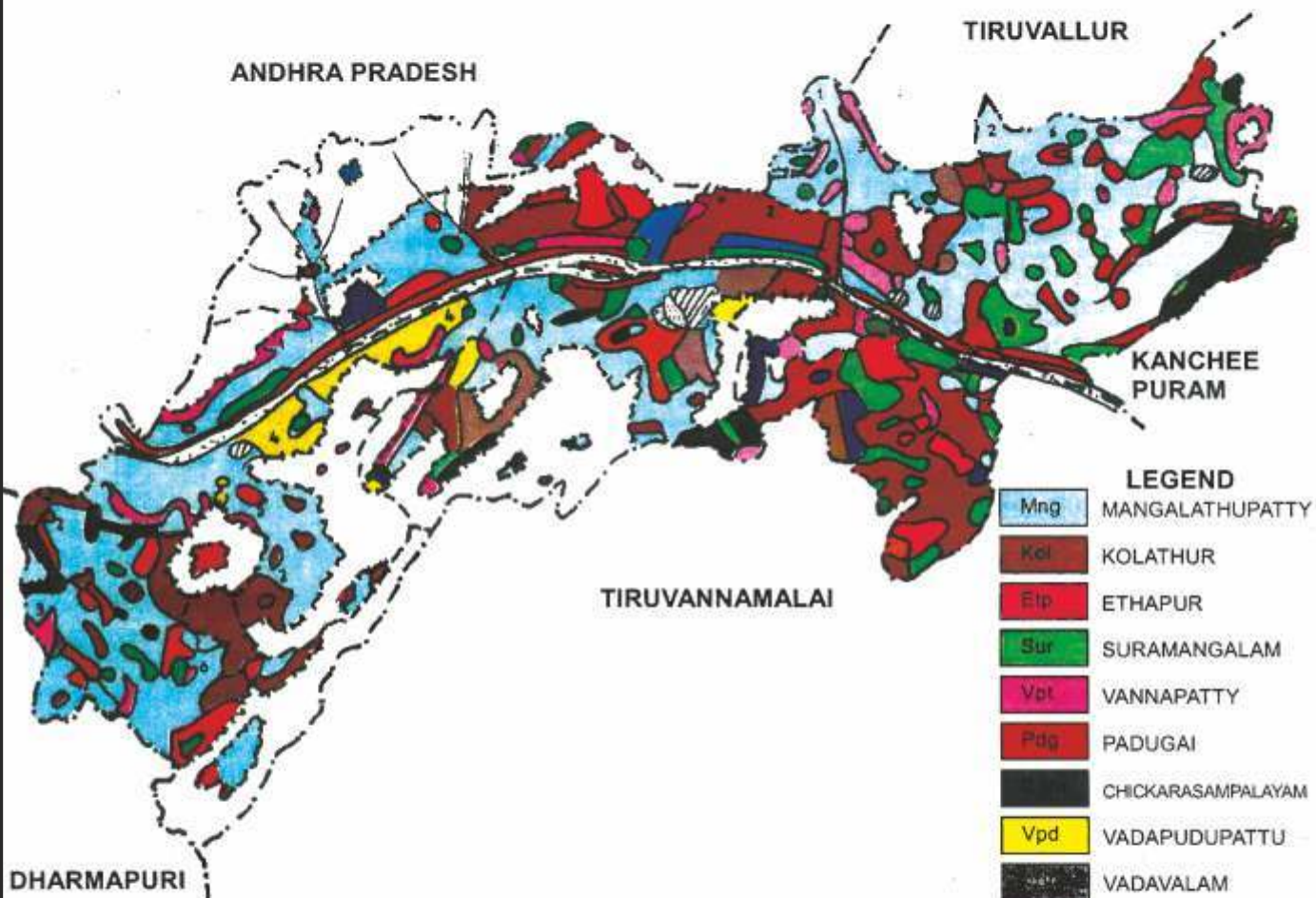
LEGEND

- A - Veterinary Hospital & Dispensary
- B - Mobile Unit
- C - Research Institutions
- D - Slaughter Houses
- E - Artificial Insemination Centre

SOILS

Soil series	Symbol	Extent	
		ha	%
1. Mangalathupatty	Mng	1,27,342	21.50
2. Kolathur	Kol	77,292	13.06
3. Ethapur	Etp	41,630	7.03
4. Suramangalam	Sur	29,860	5.05
5. Vannapatti	Vpt	24,293	4.10
6. Padugai	Pdg	15,163	2.56
7. Chickarasampalayam	Cpm	11,243	1.98
8. Vadapudupattu	Vdp	10,093	1.71
9. Vadavalam	Vdv	9,862	1.67
10. Arasanatham	Anm	7,341	1.24
11. Kadambadi	Kbd	6,612	1.02
12. Mailam	Mlm	5,870	0.99
13. Pallipalayam	Ppm	4,778	0.81
14. Idayapatti	Idp	4,020	0.68
15. Soil association	—	17,859	3.02
16. Miscellaneous land	MLT	37,531	6.33
17. Forest	—	1,61,229	27.23
Total		5,92,018	100.00


SOILS VELLORE DISTRICT



LEGEND

Mng	MANGALATHUPATTY
Kol	KOLATHUR
Etp	ETHAPUR
Sur	SURAMANGALAM
Vpt	VANNAPATTY
Pdg	PADUGAI
	CHICKARASAMPALAYAM
Vpd	VADAPUDUPATTU
	VADAVALAM
Arnr	ARASANATHAM
Kbd	KADAMBADI
Mil	MAILAM
	PALLIPALAYAM
Idp	IDAYAPATTI
1	Mng + Vpt
2	Mng + Kol
3	Vpt + Mng
4	Vpd + Mng
5	Vpt + Etp
6	Etp + Mng
	MISCELLANEOUS LAND TYPE

REFERENCE

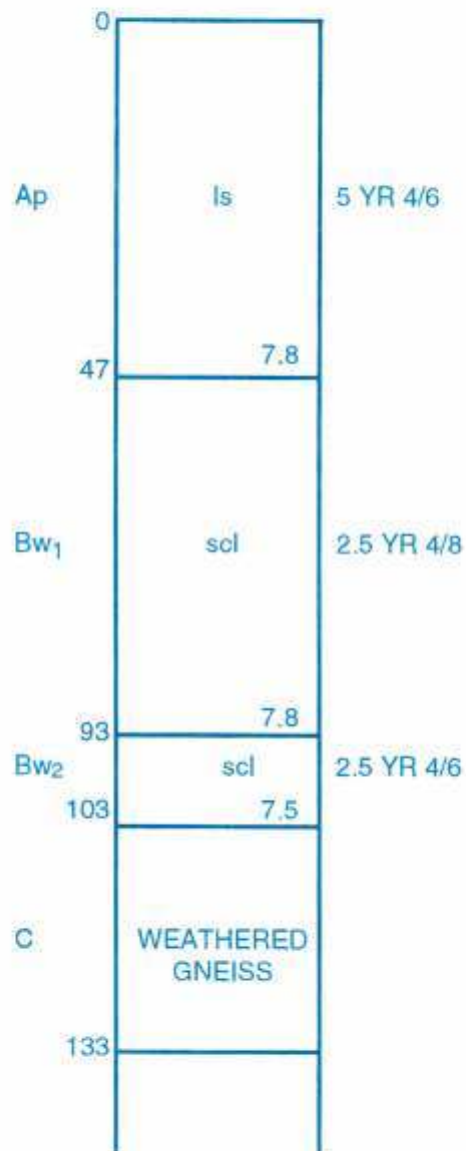
- State boundary
- - - - - District boundary
- - - - - Taluk boundary
-  River & Gully

MANGALATHUPATTY SERIES (Mng)

Location	..	Kannikapuram - Walajah Taluk
Physiography	..	Plain
Topography	..	Plain
Drainage	..	Moderate
Parent material	..	Gneiss

HORIZON	DESCRIPTION
AP	0 - 47cm; yellowish red (5YR 4/6); loamy sand; loose (dry), friable (moist); common fine roots. rapid permeability; clear smooth boundary; pH 7.8.
BW ₁	47-93cm; red (2.5 YR 4/8); sandy clay loam; slightly hard (dry), slightly friable (moist); sub angular blocky; few fine root medium and fine pores; slow permeability; clear smooth boundary; pH 7.8.
BW ₂	93-103cm; red (2.5 YR 4/6); sandy clay loam; subangular blocky; slightly hard (dry), slightly firm (moist); few fine roots; fine pores; slow permeability; diffused boundary; pH 7.6.
C	103-133cm; weathered gneiss.

MANGALATHUPATTY SERIES (Mng)



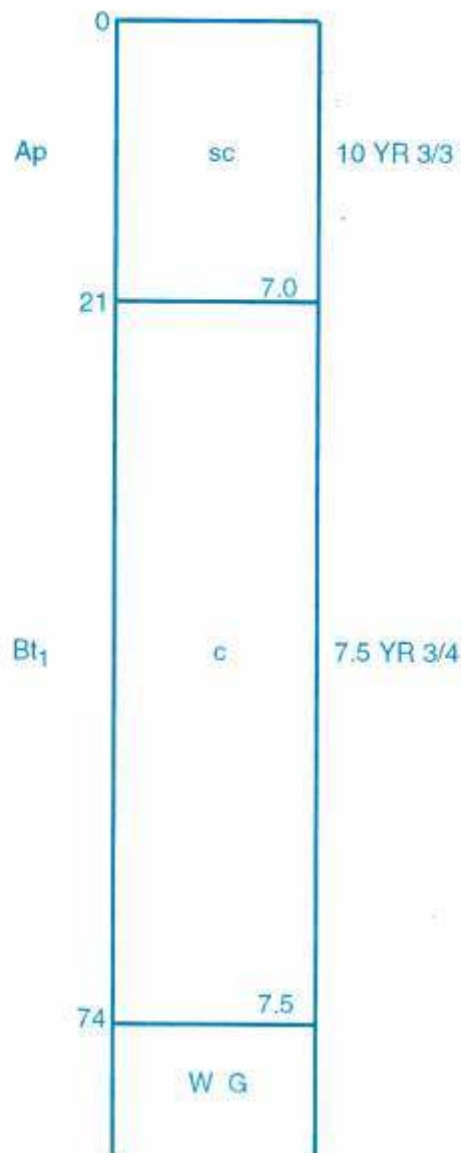
Soil Taxonomy : Coarse loamy hyperthermic
Typic ustropepts

KOLATHUR SERIES (Kol)

Location	..	Valandaram - Vellore taluk
Physiography	..	Plain
Topography	..	Undulating
Drainage	..	Moderate
Parent material	..	Gneiss

HORIZON	DESCRIPTION
Ap	0-12cm; dark brown (10 YR 3/3); sandy clay; moderate medium subangular blocky; slightly hard (dry), slightly firm (moist), slightly sticky and slightly plastic (wet); common fine roots; common fine pores; clear smooth boundary; slow permeability; pH 7.0.
Bt ₁	21-74cm; dark brown (7.5 YR 3/4); clay; strong medium subangular blocky; hard (dry), firm (moist), sticky and plastic (wet); small irregular soft iron concretions; patchy and thick clay films; slow permeability; pH 6.9.
C	74+cm; weathered gneiss.

KOLATHUR SERIES (Kol)



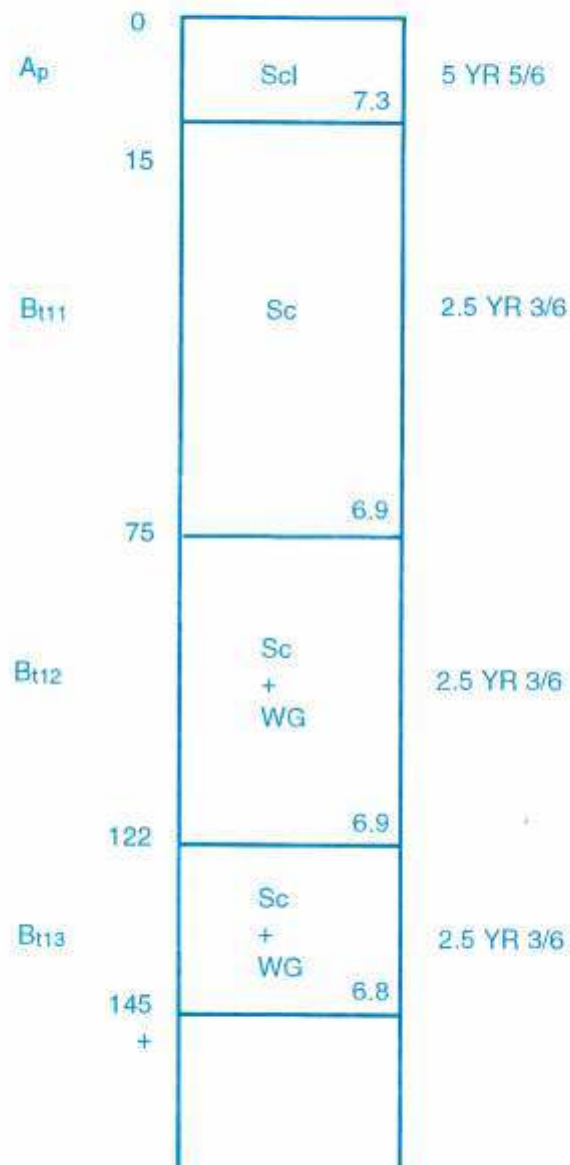
Soil Taxonomy : Fine loamy hyperthermic
Typic haplustalf

ETHAPUR SERIES (Etp)

Location	..	Vallipattu, Vaniyambadi taluk
Physiography	..	Slopy
Topography	..	Slopy
Drainage	..	Well
Parent material	..	Weathered Gneiss

HORIZON	DESCRIPTION
Ap	0-15cm; yellowish red (7.5 YR 5/6); sandy clay loam; weak medium subangular blocky; slightly hard (dry), slightly firm (moist), slightly sticky and slightly plastic (wet); many coarse roots; rapid permeability; clear wavy boundary; pH 7.3.
Bt ₁₁	15-75cm; dark red (2.5 YR 3/6); sandy clay; moderate medium subangular blocky; hard (dry), firm (moist), slightly sticky and slightly plastic (wet); thick patchy clay film, few fine to many fine roots; few fine pores; slow permeability; clear wavy boundary; pH 6.9.
Bt ₁₂	75-122cm; dark red (2.5 YR 3/6); sandy clay mixed with gneissic gravels; medium moderate subangular blocky; hard (dry), firm (moist), sticky and plastic (wet); small irregular iron concretions; thick patchy clay film; very few fine roots; very few fine pores; slow permeability; clear diffused boundary; pH 6.9.
Bt ₁₃	122-145cm; dark red (2.5 YR 3/6); sandy clay mixed with gneissic gravels, moderate medium subangular blocky; hard (dry), firm (moist), sticky and plastic (wet); thick patchy clay film; slow permeability pH 6.8.
C	145+cm; weathered gneiss.

ETHAPUR SERIES (Etp)



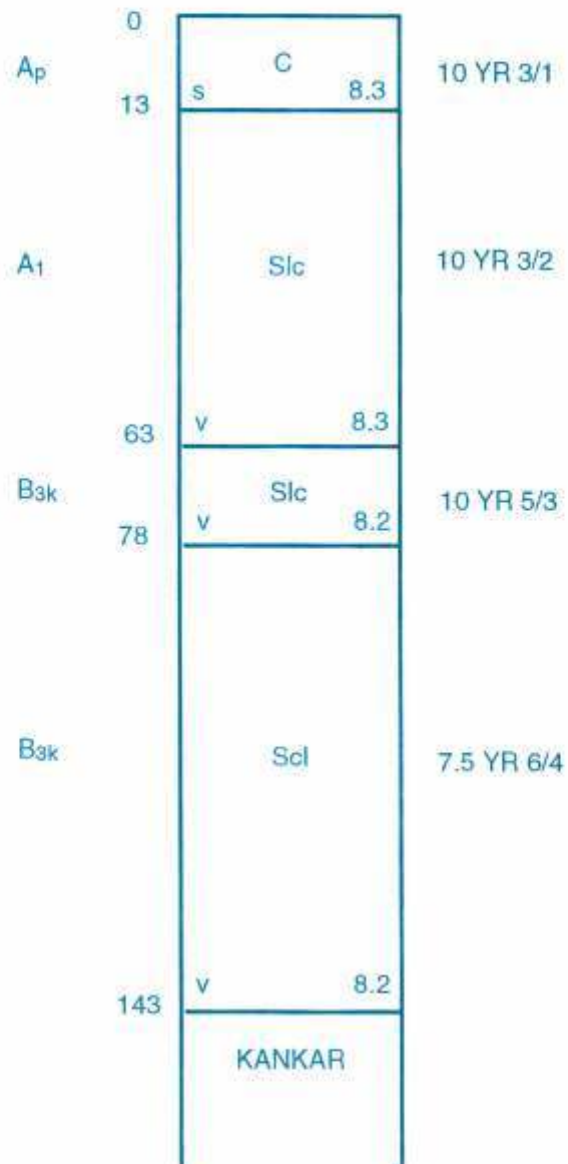
Soil Taxonomy : Fine Loamy Hyperthermic
Typic Rhodustalfs

SURAMANGALAM SERIES (Sur)

Location	..	Kaveripakkam, Arakonam taluk
Physiography	..	Plain
Topography	..	Plain
Drainage	..	Poor
Parent material	..	Kankar

HORIZON	DESCRIPTION
Ap	0-13cm; very dark gray (10 YR 3/1); clay; strong medium subangular blocky; hard (dry), firm (moist), slightly sticky slightly plastic (wet); common fine roots; common fine pores; strong effervescence; clear smooth boundary slow permeability; pH 8.3.
A ₁	13-63cm; very darkish gray (10 YR 3/2); silty clay moderate medium subangular blocky; hard (dry), firm (moist), sticky and plastic (wet); few fine strong brown (7.5 YR 4/6) mottling; small irregular and soft iron concretions; strong effervescence; slow permeability; gradual wavy boundary; pH 8.3.
A ₂	63-78cm; brown (10 YR 5/3); slity clay; strong medium angular blocky; hard (dry), firm (moist), sticky and plastic (wet); few fine faint strong brown (7.5 YR 4/6) mottling; small irregular and soft iron concretions; strong effervescence; slow permeability; gradual smooth boundary; pH 8.2.
B _{3k}	78-145cm; light brown (7.5 YR 6/4); sandy clay loam; moderate medium and subangular blocky; slightly hard (dry), slightly firm (moist), slightly sticky and slightly plastic (wet); strong effervescence; slow permeability; pH 8.2.
C	145+; kankar.

SURAMANGALAM SERIES (Sur)



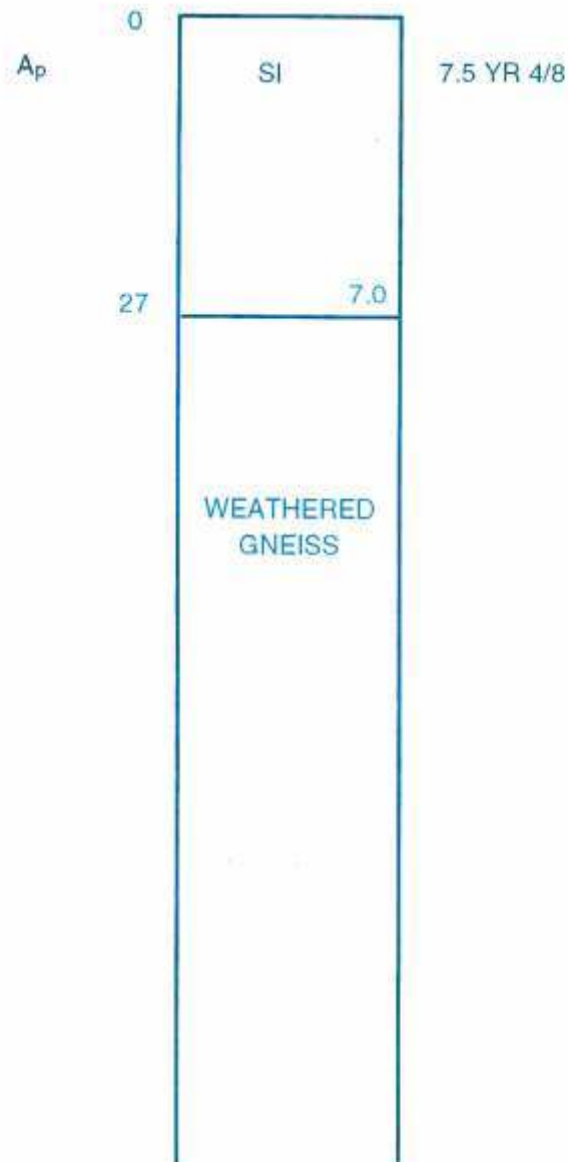
Soil Taxonomy : Fine clay loam hyperthermic
Vertic ustropepts

VANNAPATTI SERIES (Vpt)

Location	..	Solur - Vaniyambadi taluk
Physiography	..	Slopy
Topography	..	Slopy
Drainage	..	Well drained with rapid permeability
Parent material	..	Weathered gneiss

HORIZON	DESCRIPTION
Ap	0-20cm; dark brown (7.5 YR 4/8); sandy loam; single grained; loose (dry), friable (moist), common fine roots; rapid permeability; clear smooth boundary; pH 7.0.
C	21+; weathered gneiss.

VANNAPATTY SERIES (Vpt)



Soil Taxonomy : Coarse sandy, hyperthermic silicious
Typic ustertents

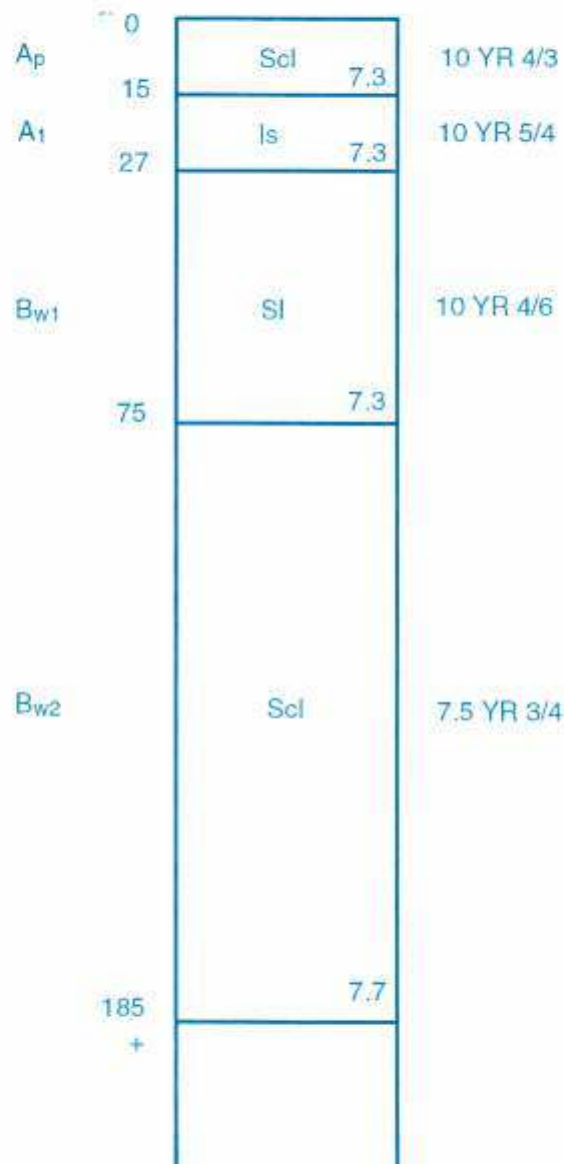
PADUGAI SERIES (Pdg)

Location	..	Thimmampattai, Tirupathur taluk
Physiography	..	Plain
Topography	..	Plain
Drainage	..	Well drained
Parent material	..	Alluvium

HORIZON DESCRIPTION

Ap	0-15cm; dark brown (10 YR 4/3); sandy clay loam; weak coarse subangular blocky; hard (dry), friable (moist), slightly sticky and slightly plastic (wet); many common coarse and fine roots; moderately rapid permeability; smooth boundary; pH 7.8.
A ₁	15-27cm; yellowish brown (10 YR 5/4); loamy sand; massive breaks to granular; soft (dry), loose (moist), many fine medium roots; rapid permeability; clear smooth boundary; pH 7.2.
BW ₁	27-75cm; dark yellowish brown (10 YR 4/6); sandy loam; weak fine crumb; soft (dry), friable (moist), rapid permeability; clear smooth boundary; pH 7.3.
BW ₂	75-185cm; dark brown (7.5 YR 3/4); sandy clay loam; moderate, medium subangular blocky; hard (dry), firm (moist), slightly sticky and slightly plastic; moderate rapid permeability; pH 7.7.
C	alluvium.

PADUGAI SERIES (Pdg)



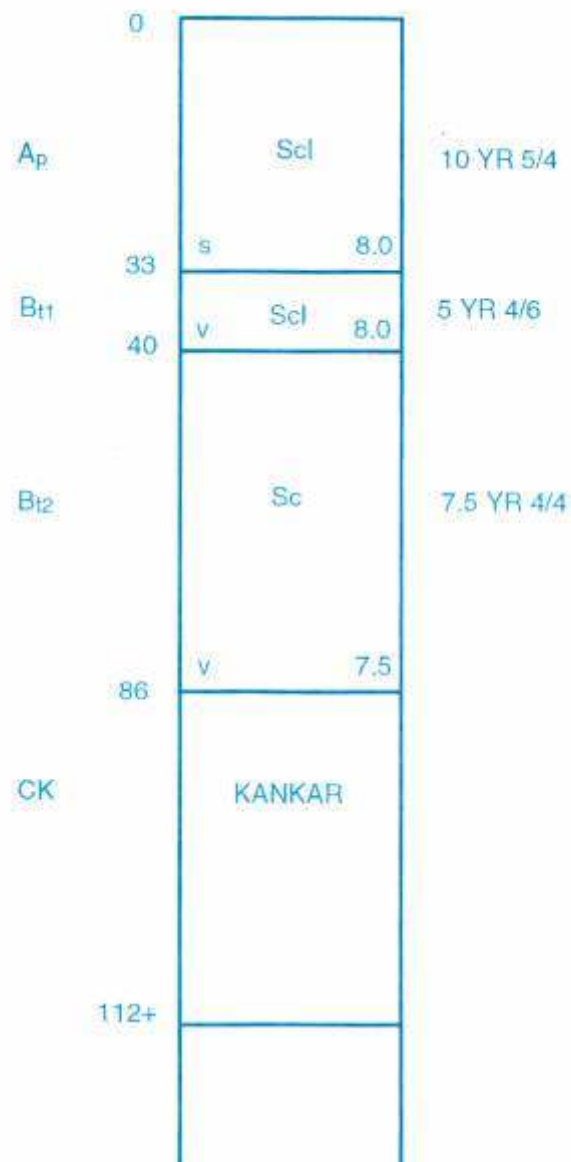
Soil Taxonomy : Fine loamy mixed hyperthermic
Typic ustifluvents

CHICKARASAMPALAYAM SERIES (Cpm)

Location	..	Thuthikadu - Vellore taluk
Physiography	..	Plain
Topography	..	Plain
Drainage	..	Moderate
Parent material	..	Colluvium

HORIZON	DESCRIPTION
Ap	0-33cm; yellowish brown (10 YR 3/4); sandy clay loam, subangular weak medium blocky; slightly hard (dry), friable (moist), common fine and medium roots; strong effervescence; rapid permeability; clear smooth boundary; pH 8.0.
Bt ₁	33-40cm; yellowish red (5 YR 4/6); sandy clay loam; moderate medium subangular blocky; hard (dry), firm (moist), slightly sticky and slightly plastic; patchy thick clay film; few distinct iron and manganese mottling with black colour (10 YR 2/0); small irregular many and soft calcium concretions; violent effervescence; slow permeability; clear wavy boundary; pH 8.0.
Bt ₂	40-86cm; dark brown (7.5 YR 4/2); sandy clay; subangular blocky; hard (dry), firm (moist), sticky and plastic; moderate medium; thick patchy cutans; common few fine prominent mottling with black colour (10 YR 2/0); soft irregular many and soft concretions; violent effervescence slow permeability; diffuse boundary; pH 8.5
C	86-112cm; kankar bed.

CHICKARASAMPALAYAM SERIES (Cpm)



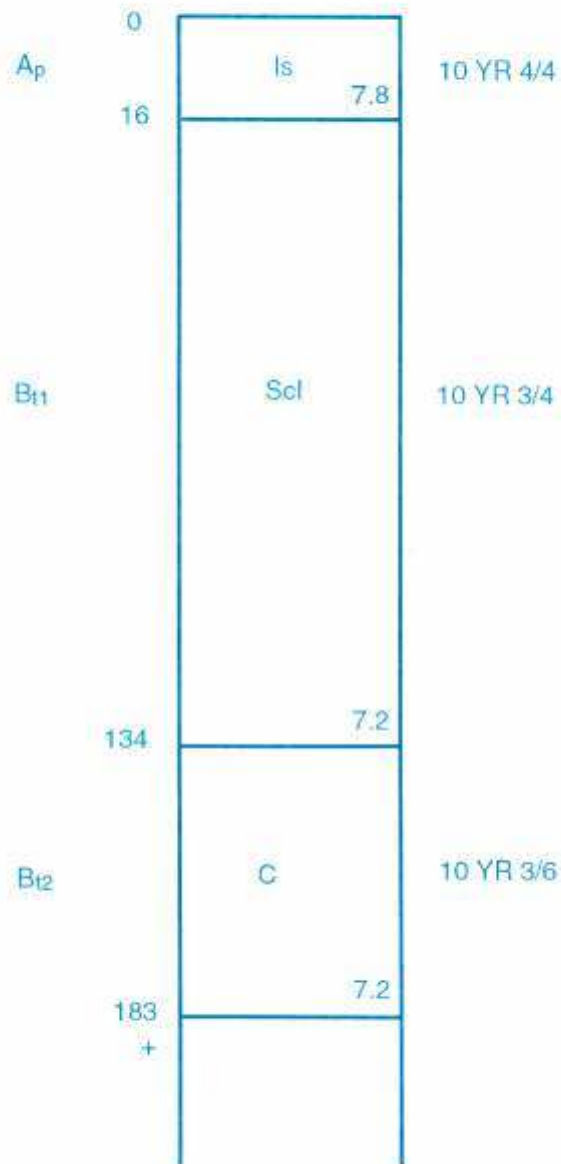
Soil Taxonomy : Fine loamy hyperthermic
Typic haplustalfs

VADAPUDUPAT SERIES (Vdp)

Location	..	Vadapudupat, Vaniyambadi taluk
Physiography	..	Plain
Topography	..	Plain
Drainage	..	Moderate
Parent material	..	Colluvium

HORIZON	DESCRIPTION
Ap	0-16cm; dark yellowish brown (10 YR 4/4); loamy sand; single grained; loose (dry), friable (moist), common fine roots; very rapid permeability; clear smooth boundary; pH 7.8.
Bt ₁	16-34cm; dark yellowish brown (10 YR 3/4); sandy clay loam; moderate, medium subangular blocky; slightly hard (dry), slightly firm (moist), slightly sticky and slightly plastic (wet); thick clay film; common fine roots; common fine pores; rapid permeability; clear smooth boundary; pH 7.2.
Bt ₂	134-183cm+; dark yellowish brown (10 YR 3/6); sandy clay; strong medium subangular blocky; hard (dry), firm (moist), sticky and plastic (wet); large irregular soft iron concretion; patchy thick clay film; slow permeability; pH 7.2.

VADAPUDUPAT SERIES (Vdp)



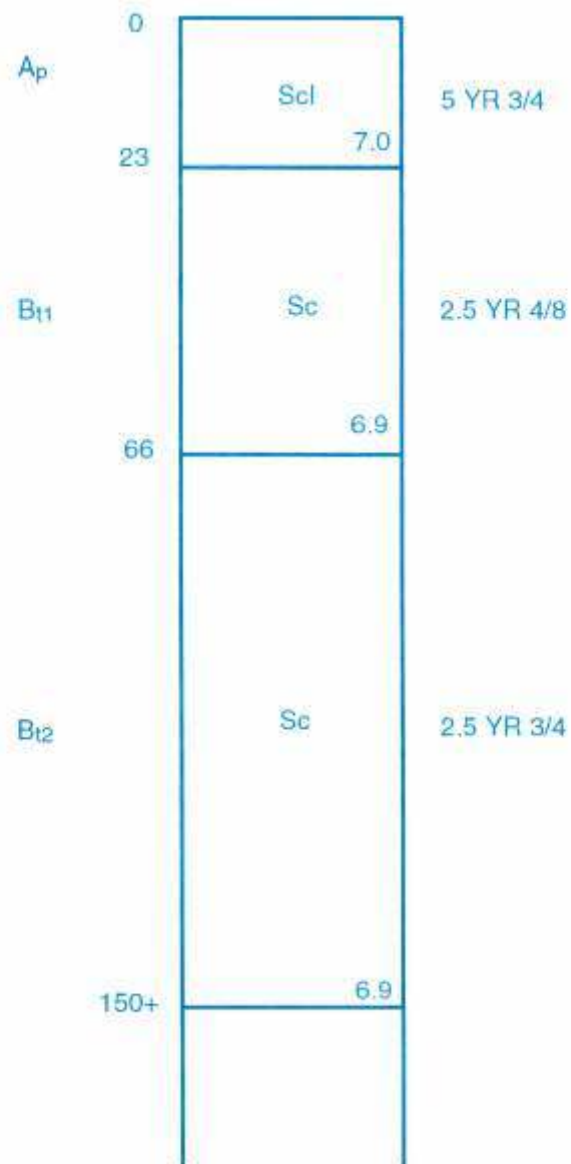
Soil Taxonomy : Coarse loamy hyperthermic
Typic haplustafts

VADAVALAM SERIES (Vdv)

Location	..	Rengapuram, Vellore taluk
Physiography	..	Slopy
Topography	..	Undulating
Drainage	..	Moderate
Parent material	..	Colluvium

HORIZON	DESCRIPTION
Ap	0-23cm; dark reddish (5 YR 3/4); clay loam; moderate medium subangular blocky; slightly hard friable (moist), slightly sticky and slightly plastic; common fine roots; common fine pores; moderate permeability; clear smooth boundary; pH 7.0.
Bt ₁	23-66cm; red (2.5 YR 4/8); sandy clay; moderate medium subangular blocky; slightly hard (dry), slightly firm (moist), slightly sticky and slightly plastic (wet); dark brown mottling; small irregular iron concretion; thick patchy clay film; few fine roots; slow permeability; clear smooth boundary; pH 6.9.
Bt ₂	66-150cm+; dark reddish brown (2.5 YR 3/4); sandy clay; strong medium and subangular blocky; hard (dry), firm (moist), sticky and plastic; (wet); very dark brown mottling; small irregular and soft iron concretion; thick patchy clay film; very fine roots common fine pores; slow permeability; pH 6.9.

VADAVALAM SERIES (Vdv)



Soil Taxonomy : Fine loamy hyperthermic
Typic haplustalfs

ARSANATHAM SERIES (Anm)

Location	..	Bathalapalli, Gudiyatham taluk
Physiography	..	Sloping upland
Topography	..	Undulating
Drainage	..	Well drained with rapid permeability
Parent material	..	Weathered gneiss mixed with lime

HORIZON	DESCRIPTION
Ap	0-11cm; pale brown (10 YR 6/3); sandy loam weak fine crumb; loost (dry), friable (moist), strong effervescence; common fine roots; rapid permeability; clear smooth boundary; pH 8.0.
A ₁	11-28cm; brown (10 YR 5/3); sandy loam weak fine crumb; loose (dry), friable (moist), strong effervescence; common fine roots; strong effervescence; rapid permeability; clear smooth boundary; pH 8.3.
BW ₁	28-53cm; yellowish brown (10 YR 5/4); sandy clay loam; moderate medium subangular blocky; slightly hard (dry), slightly firm (moist), strong effervescence; moderately rapid permeability; diffuse wavy boundary; pH 8.2.
BW ₂	53-120cm; light yellowish brown (10 YR 6/4); clay loam, strong medium subangular blocky; hard (dry), firm (moist), sticky and plastic (wet); strong effervescence; common fine pores; slow permeability; pH 8.5.
CK	120+cm; weathered gneiss mixed with CaCO ₃ .

ARSANATHAM SERIES (Anm)

A _p	0			10 YR 6/3
	11	s	Sc 8.0	
A ₁			Sl	10 YR 5/3
	28	s	8.3	
B _{w1}			Scl	10 YR 5/4
	53	s	8.2	
B _{w2}			Cl	10 YR 6/4
	120	s	8.5	
CK			WEATHERED GNEISS MIXED WITH LIME	

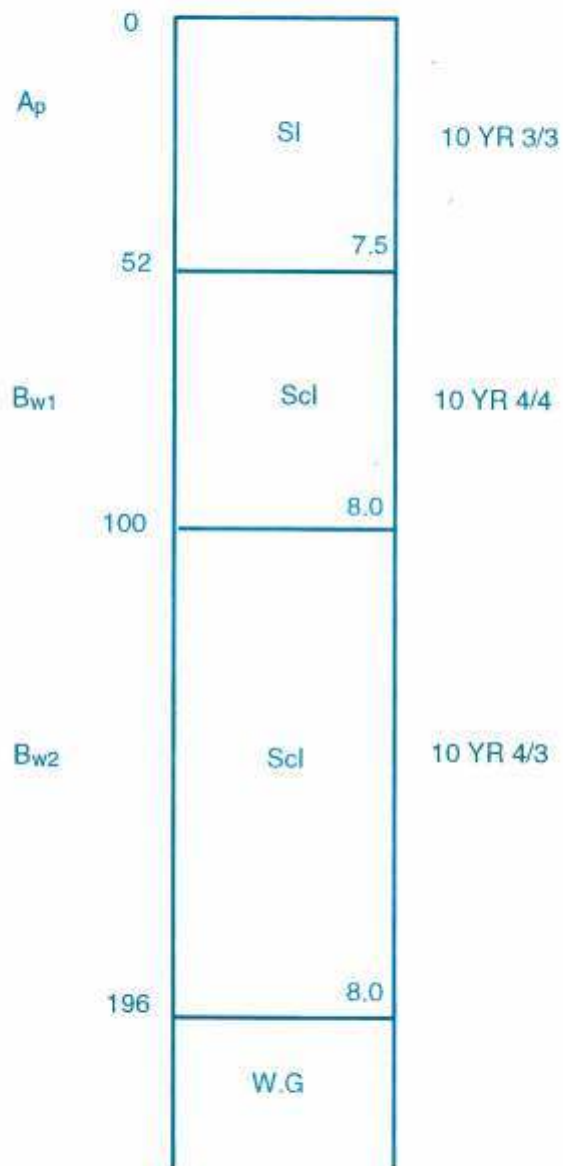
Soil Taxonomy : Fine loamy hyperthermic
Typic ustropepts

KADAMBADY SERIES (Kdb)

Location	..	Periakannalapatty - Tirupathur taluk
Physiography	..	Gently slopy
Topography	..	Gently slopy
Drainage	..	Moderately well drained
Parent material	..	Weathered gneiss.

HORIZON	DESCRIPTION
Ap	0-52cm; dark brown (10YR 3/3); sandy loam; granular weak medium; slightly hard (dry), friable (moist), slightly sticky and slightly plastic; many fine roots; common medium pores; rapid permeability; clear smooth boundary; pH 7.5.
Bw ₁	52-100cm; dark yellowish brown (10 YR 4/4); sandy clay loam (gravel 10%) weak medium subangular blocky; slightly hard (dry), slightly stick and slightly plastic; few fine to very fine roots; common fine and medium pores; moderately rapid permeability; clear wavy boundary; pH 8.0.
BW ₂	100-196cm; dark brown (10 YR 4/3); sandy clay loam; weak medium and subangular blocky; slightly hard (dry), slightly firm (moist), slightly sticky and slightly plastic (wet); very few fine roots; common fine and medium pores; rapid permeability; clear wavy boundary; pH 8.0.
C	196+cm; weathered gneiss.

KADAMBADI SERIES (Kdb)



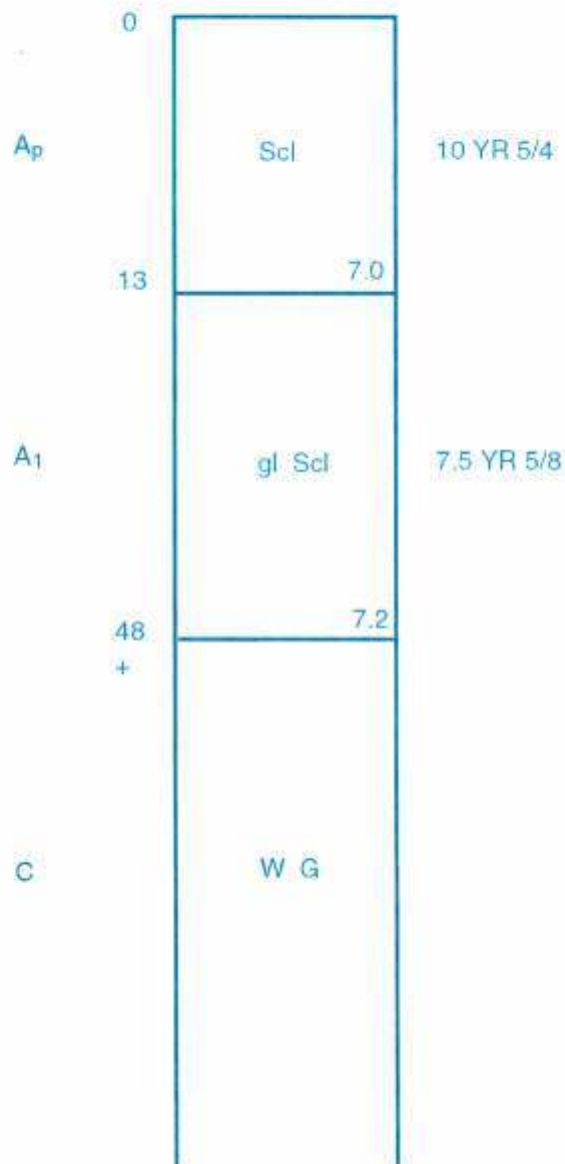
Soil Taxonomy : Fine Loamy Hyperthermic
Typic ustropepts

MAILAM SERIES (MIm)

Location	..	Pulluru - Tirupathur taluk
Physiography	..	Gently slopy
Topography	..	Slopy
Drainage	..	Well Drained
Parent material	..	Weathered gneiss

HORIZON	DESCRIPTION
Ap	0-15cm; yellowish brown (10 YR 5/4); sandy clay loam; weak. fine and granular; slightly hard (dry), slightly firm (moist), slightly sticky and slightly plastic (wet); common fine roots common many fine pores; rapid permeability; clear wavy boundary; pH 7.0.
A ₁	15-48cm; strong brown (7.5 YR 5/8); gravelly sandy clay loam; weak, medium subangular blocky; slightly sticky and slightly plastic (wet); common fine pores; slow permeability; pH 7.2
C	48+cm; gneissic weathered parent material.

MAILAM SERIES (MIm)



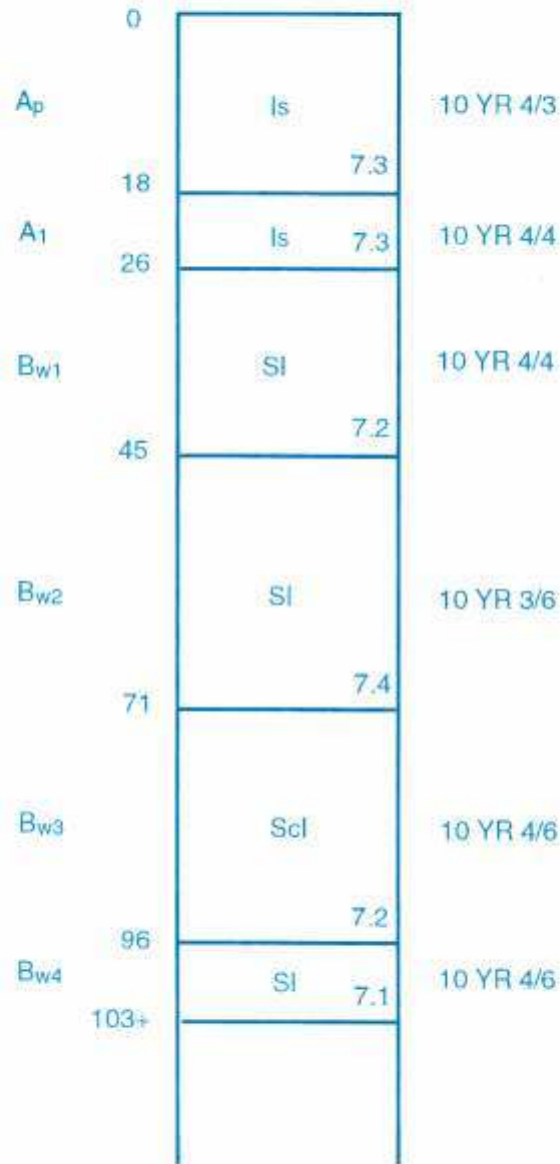
Soil Taxonomy : Fine Loamy Hyperthermic
Typic ustorthents

PALLIPALAYAM SERIES (Ppm)

Location	..	Thirumambakkam, Arakonam taluk
Physiography	..	Plain
Topography	..	Almost flat
Drainage	..	Well drained
Parent material	..	Alluvium

HORIZON	DESCRIPTION
A _p	0-18cm; dark brown (10 YR 4/3); loamy sand; granular; very friable (moist); coarse common roots; very rapid permeability; diffused wavy boundary; pH 7.3.
A ₁	18-26cm; brown (10 YR 4/4); loamy sand; massive breaks to granular; soft (dry) loose (moist); many fine and medium roots; very rapid permeability; diffused wavy boundary; pH 7.3.
A ₂	26-45cm; yellowish brown (10 YR 4/4); sandy loam massive breaks to granular, soft (dry); loose (moist); few common roots; rapid permeability diffused wavy boundary; pH 7.2.
A ₃	45-71cm; dark yellowish brown (10 YR 3/6); sandy loam; massive breaks to granular, soft (dry); loose (moist); few common root; rapid permeability diffused wavy boundary; pH 7.2.
A ₃	45-71cm; dark yellowish brown (10 YR 3/6); sandy loam; massive friable few common roots rapid permeability smooth diffused boundary; pH 7.4.
A ₄	71-96cm; dark yellowish brown (10 YR 4/6); sandy clay loam; massive breaks to granular; friable slightly sticky and slightly plastic (wet); moderately rapid permeability; smooth diffused boundary; pH 7.2.
A ₅	96-103+cm; dark yellowish brown (10 YR 4/6); sandy loam massive friable; rapid permeability; pH 7.1.

PALLIPALAYAM SERIES (Ppm)



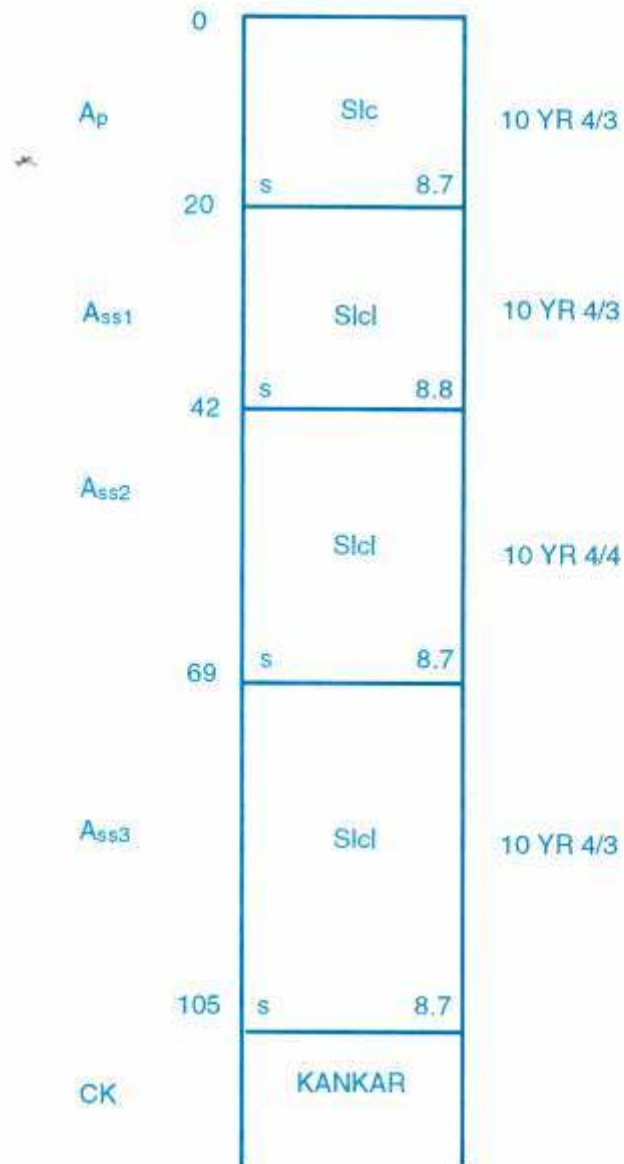
Soil Taxonomy : Coarse Loamy Hyperthermic
Typic ustifluvents

IDAYAPATTI SERIES (ldp)

Location	..	Sathur, Arcot taluk
Physiography	..	Plain
Topography	..	Plain
Drainage	..	Poor
Parent material	..	Kankar

HORIZON	DESCRIPTION
Ap	0-20cm; dark brown (10 YR 4/3) silty clay; moderate, medium subangular blocky; hard (dry), firm (moist), sticky and plastic (wet); cracks present; many fine common roots; few medium pores; strong effervescence; slow permeability; diffused wavy boundary; pH 8.7.
ASS ₁	20-24cm; dark brown (10 YR 4/3); silty clay loam; strong, medium, angular blocky; hard (dry), firm (moist), common fine distinct black mottling (10 YR 2/1); sticky and plastic (wet); few fine roots; few fine pores, strong effervescence; slow permeability; pressure faces; diffused wavy boundary; pH 8.8.
ASS ₂	42-69cm; dark yellowish brown (10 YR 4/4); silty clay loam; strong medium, angular blocky; hard (dry), firm (moist), sticky and plastic (wet); prominent slickensides; strong effervescence; few fine distinct black (10 YR 2/1) mottles; strong effervescence; few fine pores; slow permeability; diffused wavy boundary; pH 8.7.
ASS ₃	69-105cm; dark brown (10 YR 4/3); silty clay loam; very few fine distinct black (10 YR 2/1) mottling; strong medium angular blocky; hard (dry), firm (moist), sticky and plastic (wet); strong effervescence; prominent slickensides; very few fine pores; slow permeability pH 8.7.
Ck	Kankar.

IDAYAPATTY SERIES (Idp)



Soil Taxonomy : Fine montmorillonitic hyperthermic
Typic haplusterts

LAND CAPABILITY

Area (ha)	Land capability classification	Soil series	Limitation	Needs
2,24,589	II e	Vadavalam Kolathur Mangalathupatty Vadapudupatti	Erosion surface run off topography	Soil conservation
18,584	II s	Chickarasampalayam Arasanatham	Salinity	Soil reclamation
36,472	II ws	Kadambady Suramangalam	Wetness salinity	Improving drainage selection of crops
41,630	III e	Ethapur	Erosion surface run off	Soil conservation
4,020	III s	Idayapatty	Alkalinity salinity cracks	Soil reclamation
30,163	III es	Vannapatti Mailam	Erosion shallow depth	Soil conservation selection of crops

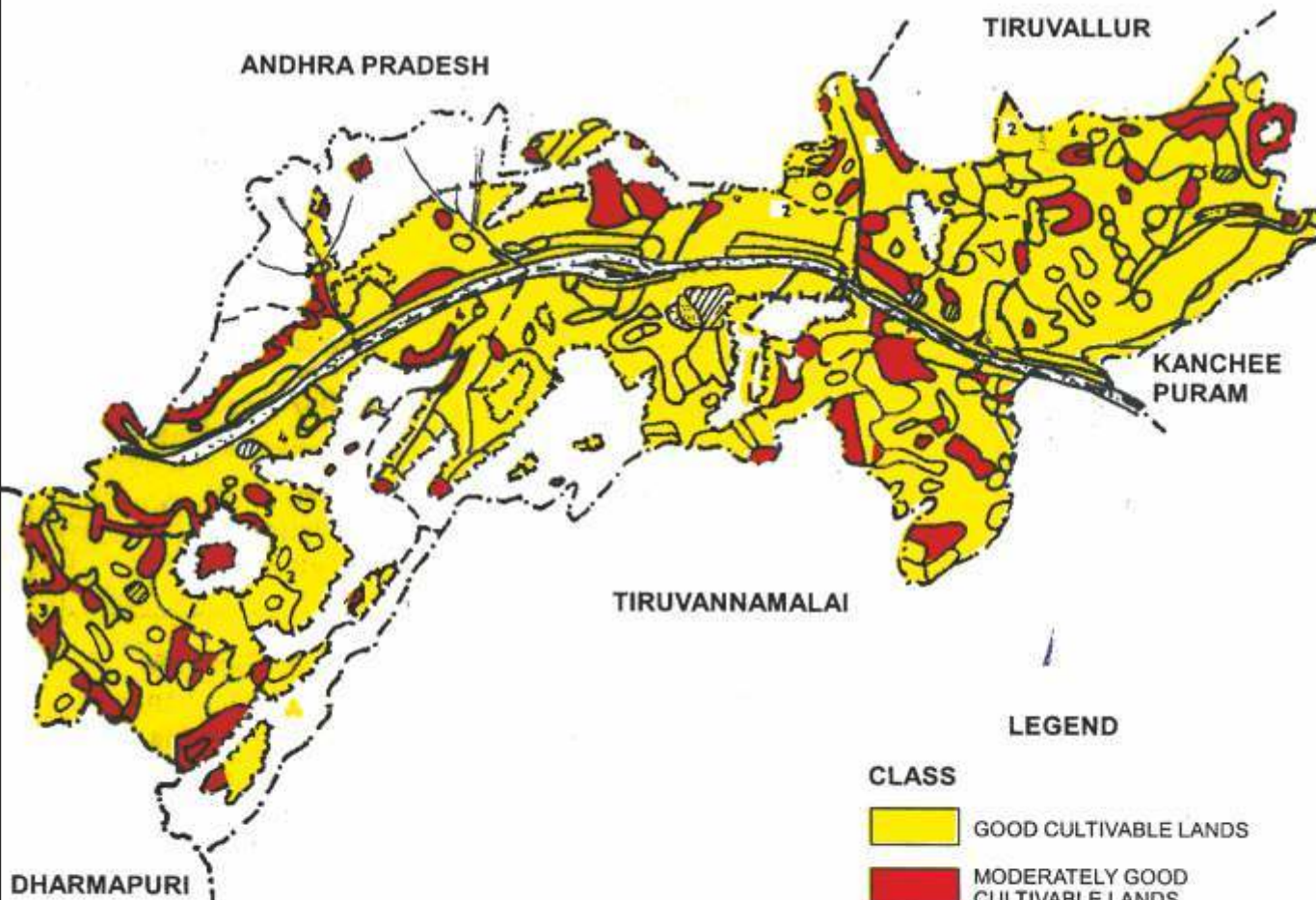
Class

- II** Good cultivable land 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 run off
- w** Excess water
- s** Poor limitations

LAND CAPABILITY VELLORE DISTRICT



LEGEND

CLASS

- GOOD CULTIVABLE LANDS
- MODERATELY GOOD CULTIVABLE LANDS

SUB CLASS

- e - EROSION
- s - SOIL LIMITATION
- t - TOPOGRAPHY
- w - WETNESS

REFERENCE

- State boundary
- District boundary
- Taluk boundary
- River & gully

LAND IRRIGABILITY

Area (ha)	Irrigability classification	Soil series	Limitation
2,31,201	2 t	Mangalathupatty, Kolathur, Kadambady, Vadavalam, Vadapudupattu	Run off topography
18,584	2 s	Chickarasanpalayam	Salinity
49,801	2 ds	Suramangalam, Padugai, Pallipalayam	Floods, stratification, alkalinity
30,163	3 s	Vannapatti Mailam	Shallow depth low water holding capacity coarse fragments
41,630	3 t	Ethapur	topography erosion
4,020	3 sd	Idayapatty	alkalinity slow permeability

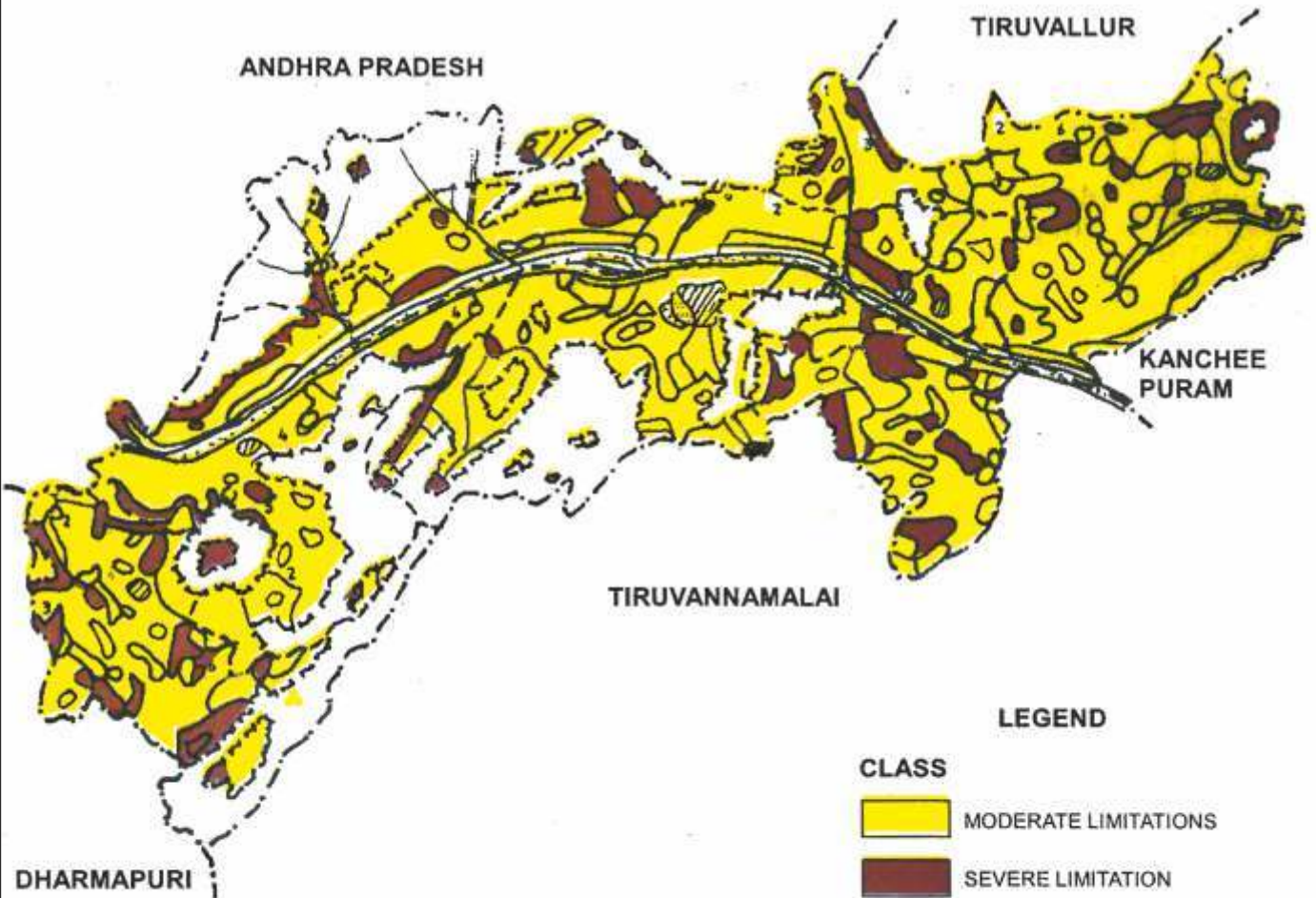
Class

- 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 problem
- t** Topography
- d** Drainage

LAND IRRIGABILITY VELLORE DISTRICT



LEGEND

CLASS

- MODERATE LIMITATIONS
- SEVERE LIMITATION

SUB CLASS

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

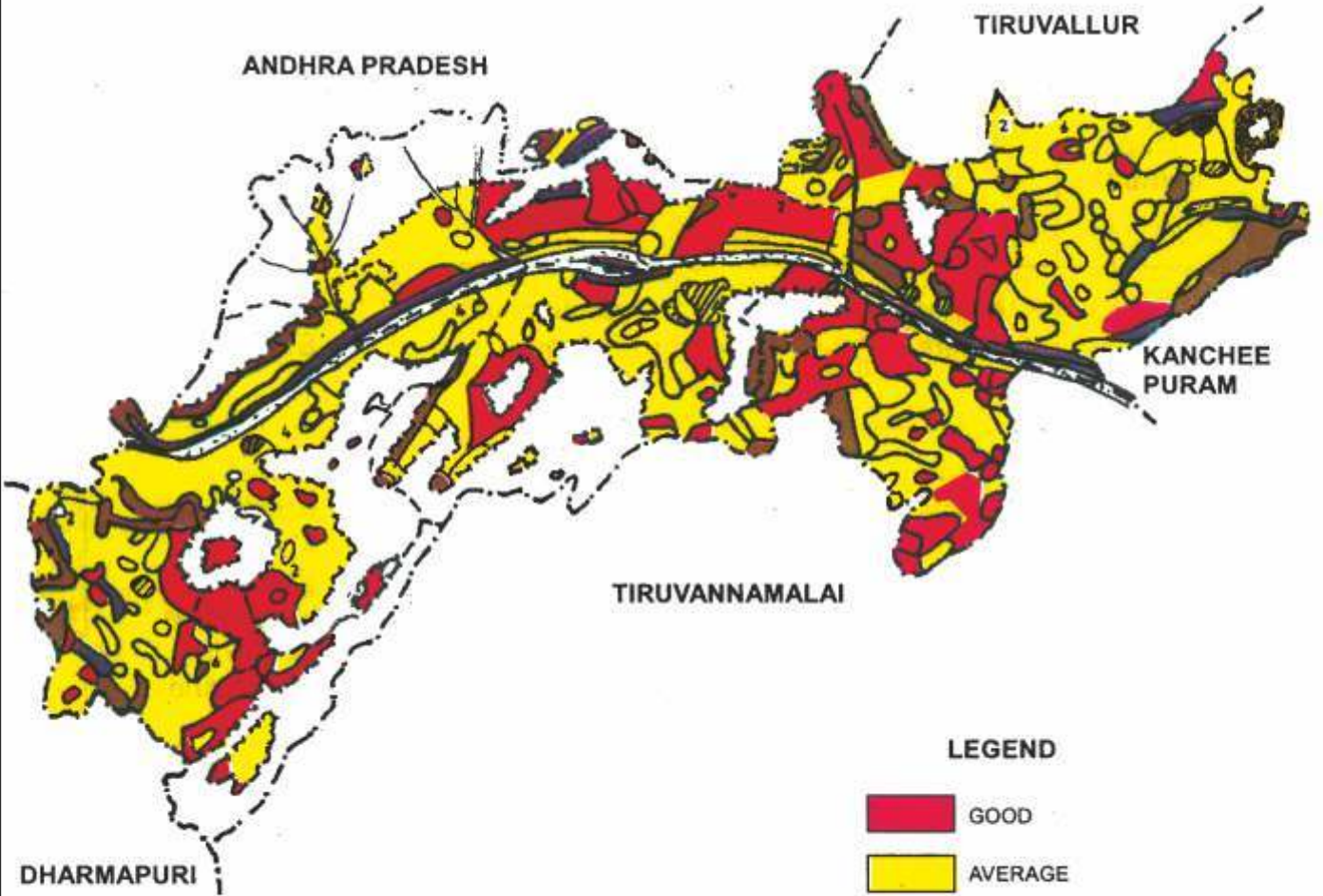
REFERENCE

- State boundary
- District boundary
- Taluk boundary
- River & gully

SOIL PRODUCTIVITY

Area (ha)	Productivity		Soil series
	Rating	Grouping	
34,941	0.97	Extremely poor	Vannapatti Mailam Pallipalayam
15,163	8.19	Poor	Padugai
1,68,563	20.34	Average	Idayapatty Kadambady Suramangalam Chickarasampalayam Mangalathupatty Arasanatham
1,61,732	35.64	Good	Kolathur Ethapur Vadapudupattu Vadavalam





SOIL PRODUCTIVITY VELLORE DISTRICT



LEGEND

	GOOD
	AVERAGE
	POOR
	EXTREMELY POOR

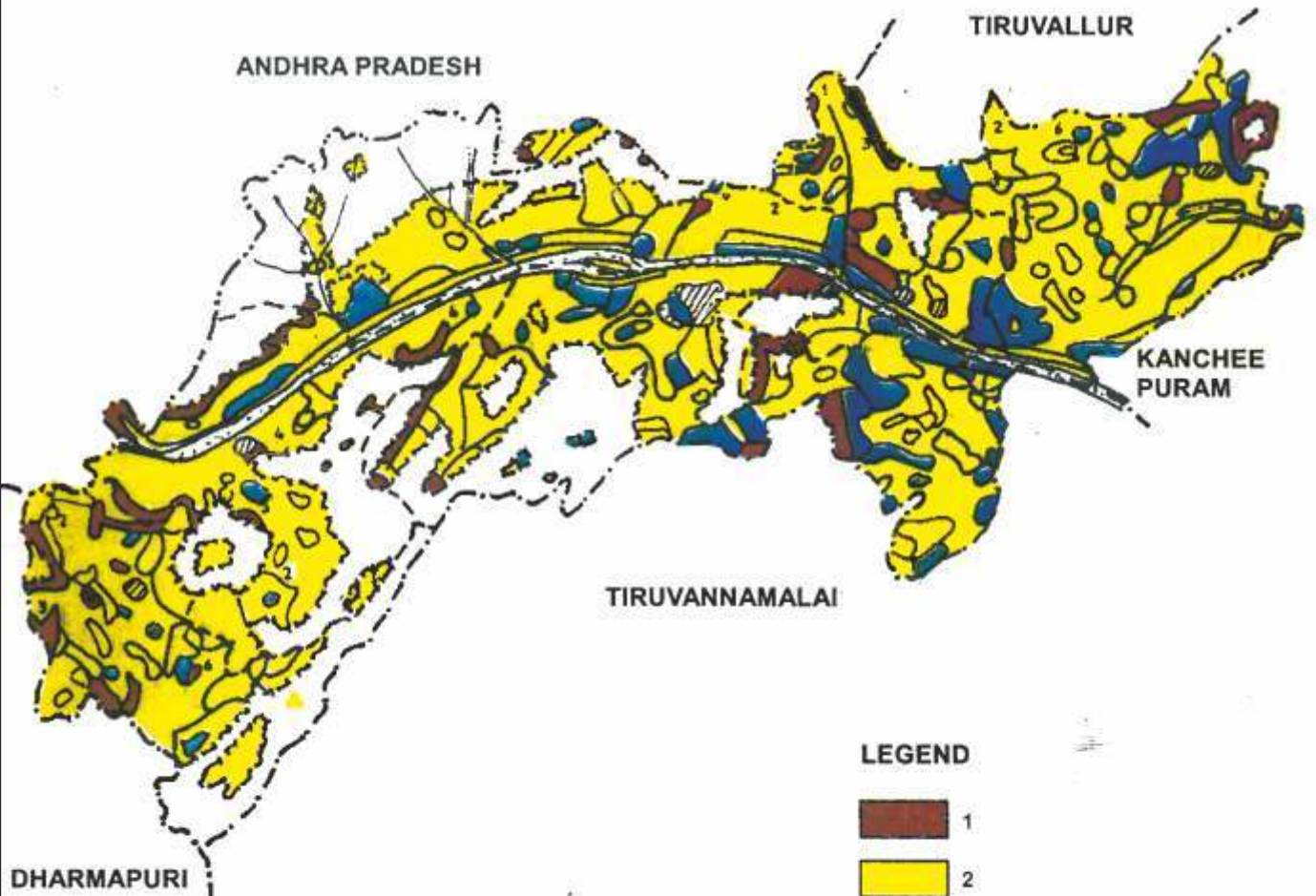
REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  River & gully





CROPS GROWN

Map symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Vannapatti Mailam	Groundnut Pulses Millets	Paddy Sugarcane
2	Padugai Pallipalayam Vadavalam Mangalathupatty Kolathur Ethapur Vadapudupattu Kadambady Chickarasampalayam	Groundnut Pulses Millets Mango	Pulses Paddy Millets Chillies Vegetables Groundnut Sugarcane Banana Flowers Coconut
3	Suramangalm Idayapatti	Pulses Cotton Coriander Sunflower	Paddy Sugarcane Cotton Banana Coconut Sunflower Vegetables

CROPS GROWN VELLORE DISTRICT



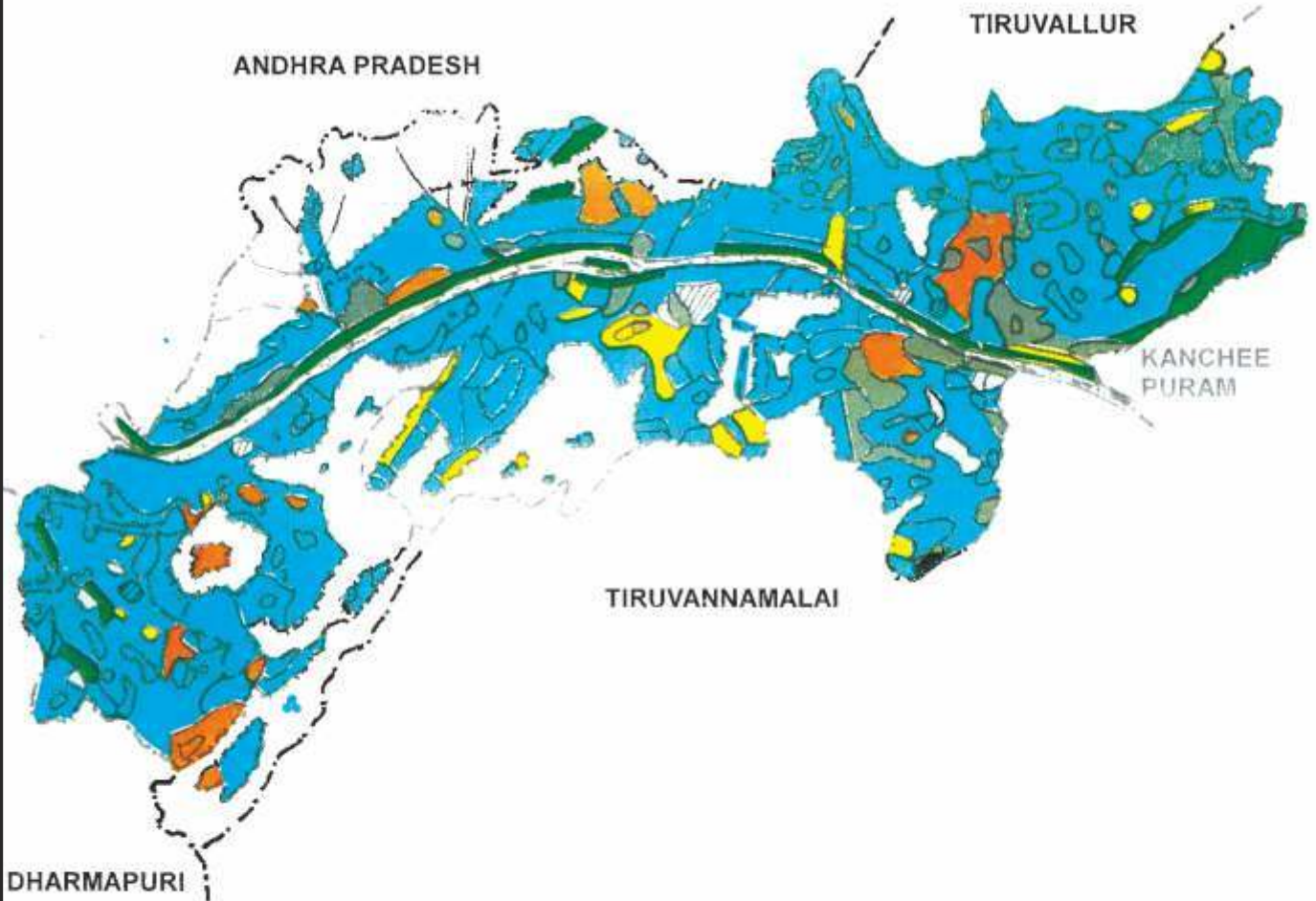
REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  River & gully





SOIL COLOUR

Red soil	Brown soil	Mixed soil	Black soil	Alluvial soil
Ethapur	Mangalathupatty	Chickarasampalayam	Idayapatty	Padugai
	Kolathur	Kadambady	Suramangalam	Pallipalayam
	Vadapudupattu		Arsanatham	
	Vannapatti			
	Vadavalam			
	Mailam			
Area (ha) 41,630	2,54,752	22,855	41,221	19,941

SOIL COLOUR VELLORE DISTRICT



REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  River & gully

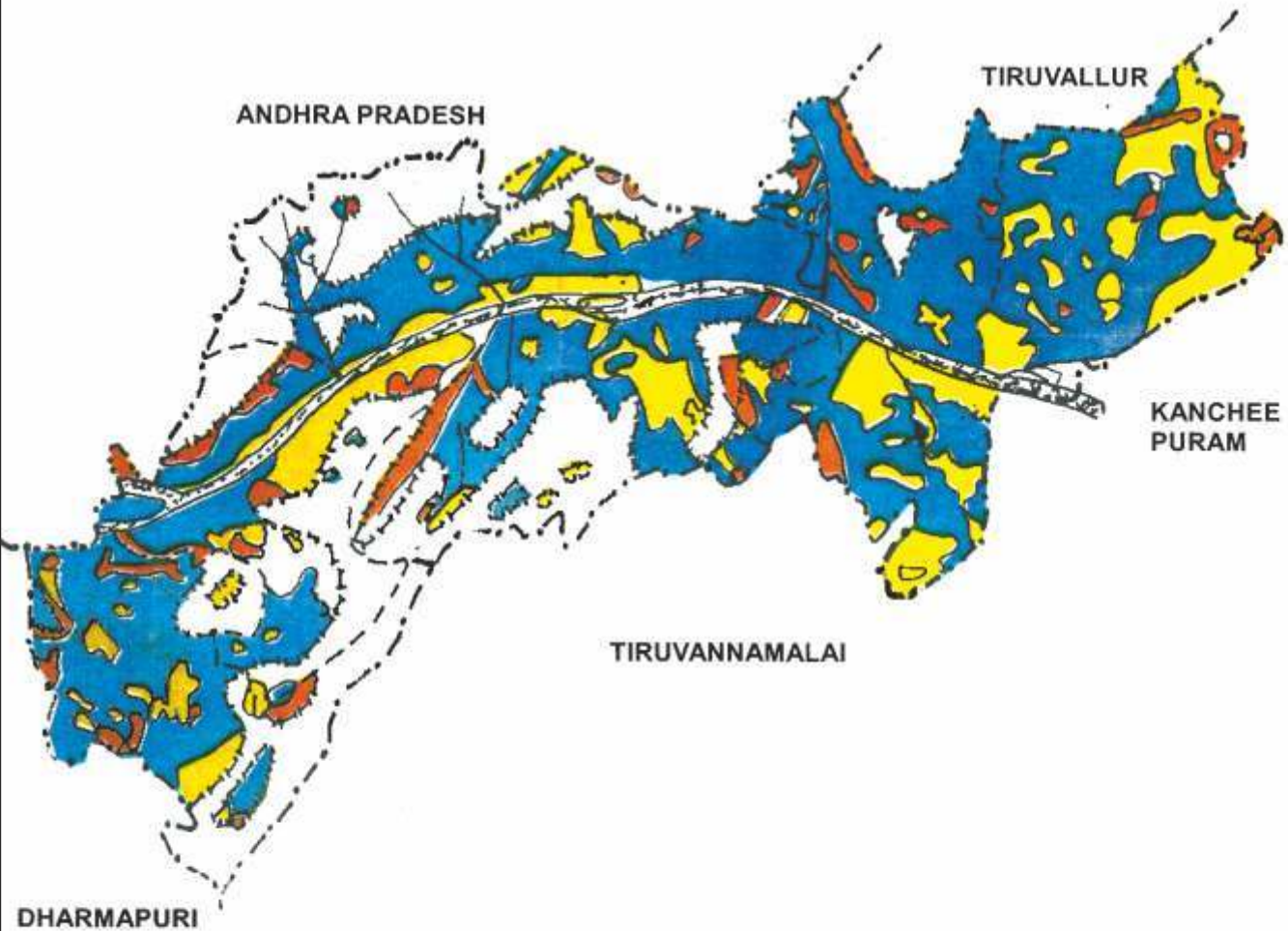
LEGEND

-  RED SOIL
-  BLACK SOIL
-  BROWN SOIL
-  ALLUVIAL SOIL
-  MIXED SOIL





DEPTH

Moderately deep (26 - 50 cm)	Deep (51 - 100 cm)	Very deep (Above 100 cm)
Vannapatti	Chickarasampalayam	Vadapudupattu
Mailam	Arasanatham Ethapur	Vadavalam
	Kolathur	Kadambady
	Mangalathupatty	Suramangalam
		Idayapatti
		Pallipalayam
		Padugai
Area (ha)	30,163	2,23,218
	1,22,018	

DEPTH VELLORE DISTRICT



REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  River & gully

LEGEND

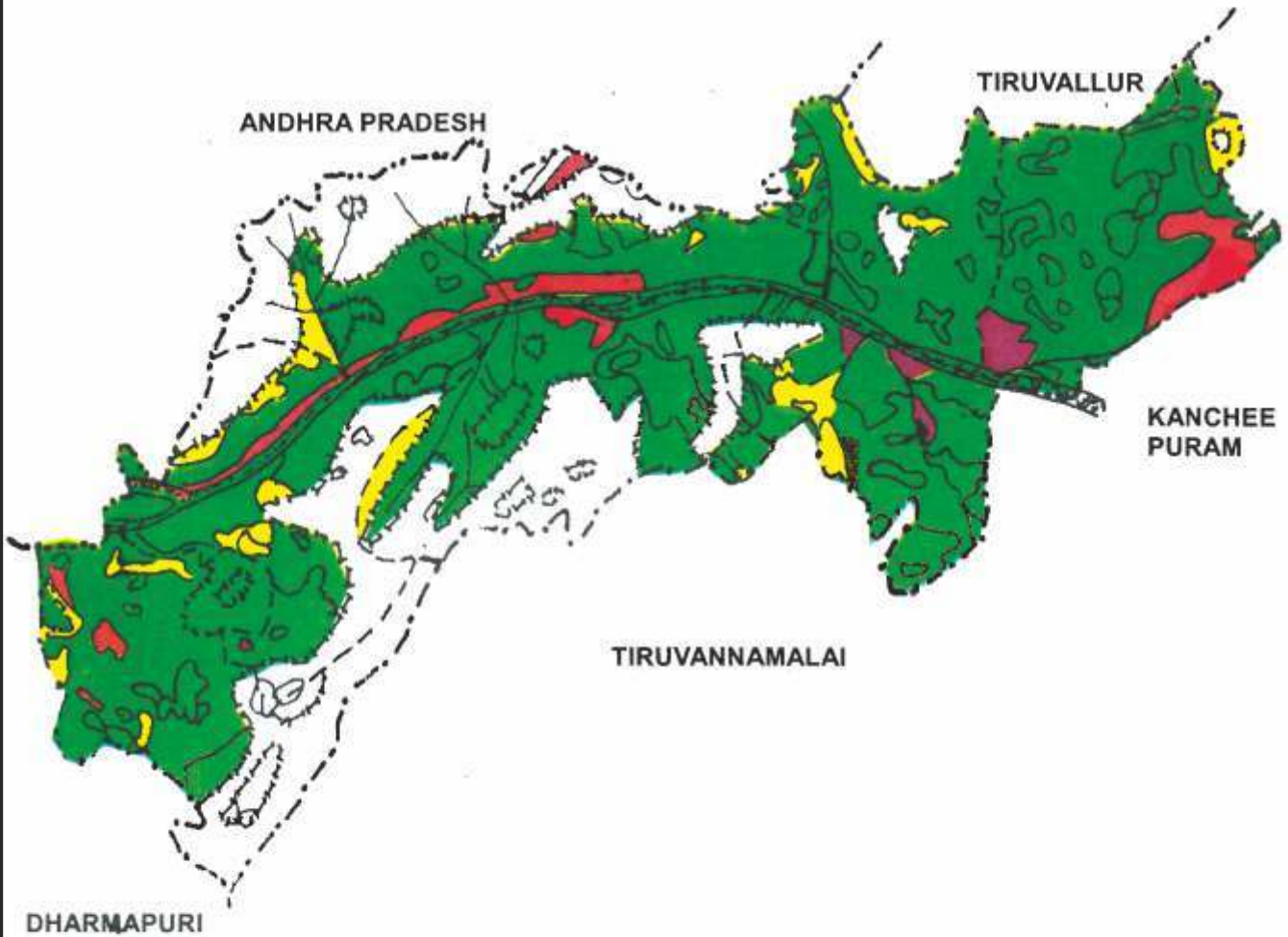
-  MODERATELY DEEP
-  DEEP
-  VERY DEEP

TEXTURE





Loamy skeletal	Coarse loamy	Fine loamy	Fine
Vannapatti	Pallipalayam	Ethapur	Idayapatty
Mailam	Padugai	Chickarasanpalayam	
		Kadambady	
		Kolathur	
		Mangalathupatty	
		Vadavalam	
		Vadapudupattu	
		Arsanatham	
		Suramangalam	
Area (ha)	30,163	19,941	3,21,275
			4,020

TEXTURE

VELLORE DISTRICT



REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  River & Gully

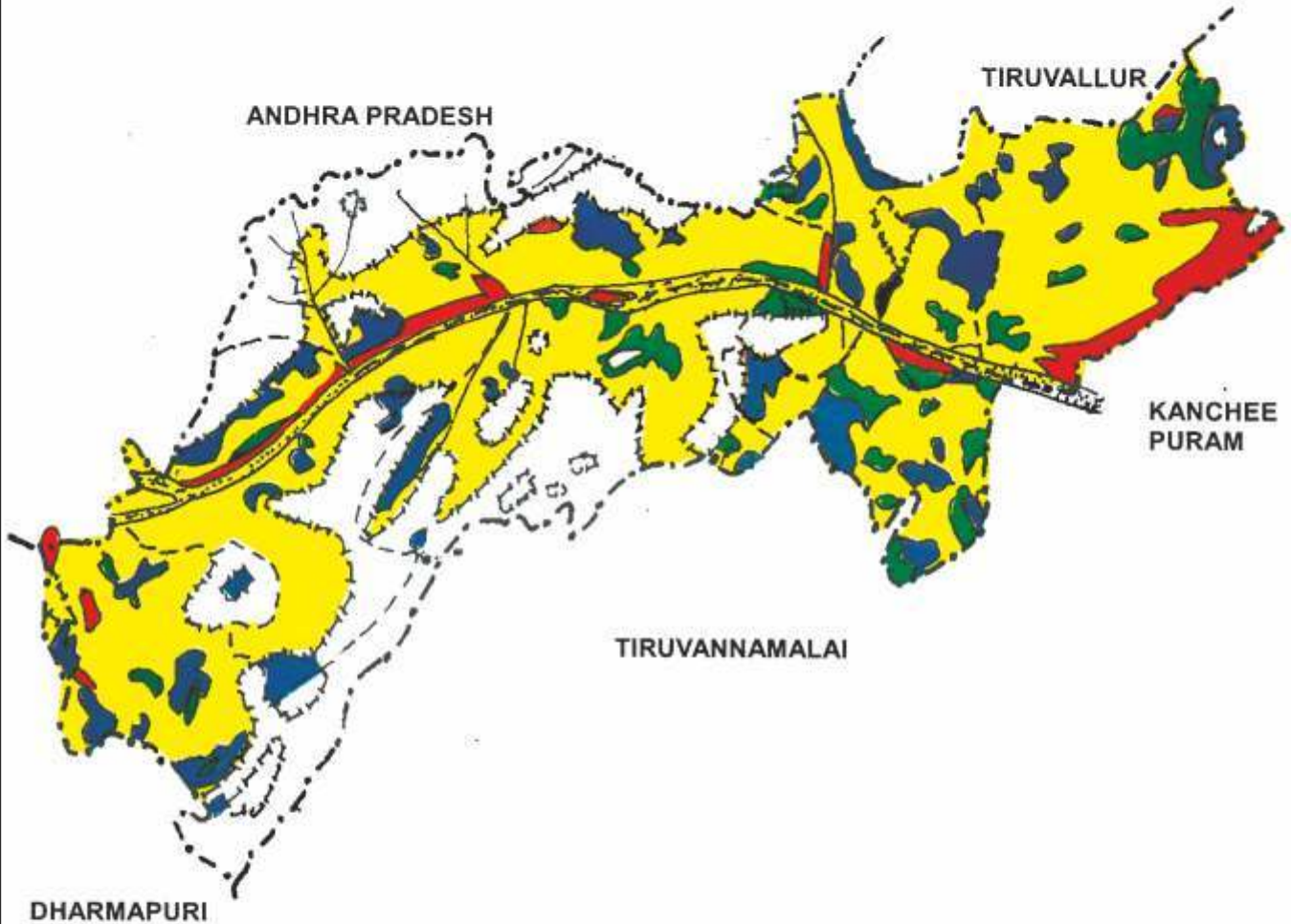
LEGEND

-  Loamy skeletal
-  Coarse loamy
-  Fine loamy
-  Fine

PERMEABILITY

Slow	Moderately slow	Moderately rapid	Rapid
Idayapatty	Mangalathupatty	Vannapatti	Pallipalayam
Suramangalam	Kolathur	Mailam	Padugai
Kadambady	Vadapudupattu	Ethapur	
	Vadavalam	Arsanatham	
	Chickarasampalayam		
Area (ha) 40,492	2,40,832	79,184	19,941

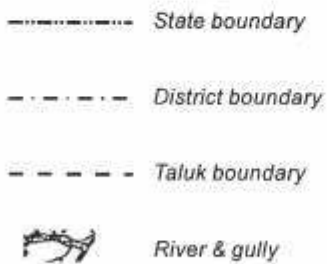
PERMEABILITY VELLORE DISTRICT



LEGEND



REFERENCE

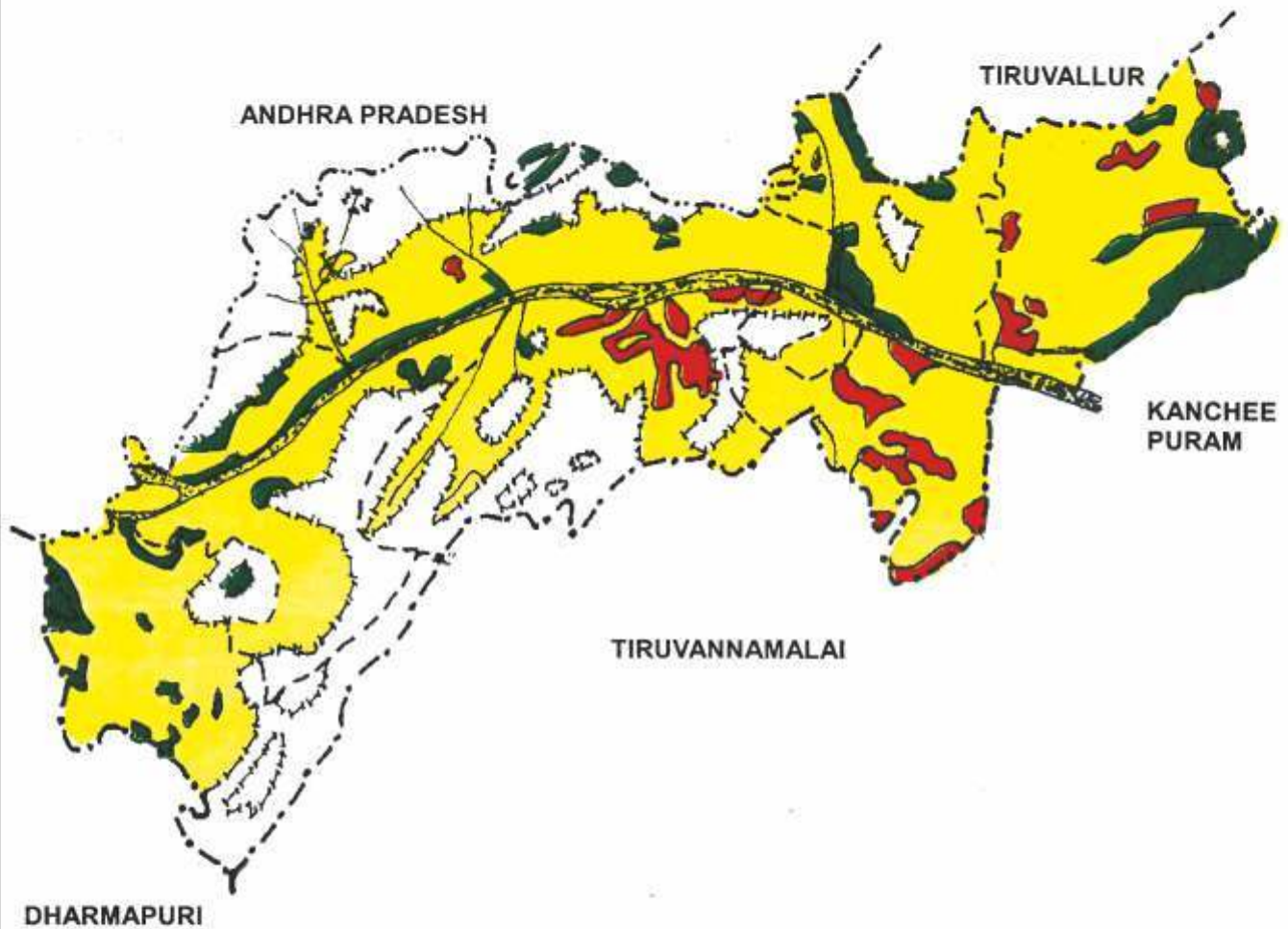


WATER HOLDING CAPACITY

Low (0 - 20%)	Medium (21 - 50%)	High (Above 50%)
Pallipalayam	Kolathur	Idayapatti
Padugai	Mangalathupatty	Suramangalam
Vannapatti	Ethapur	Kadambady
Mailam	Arsanatham	Chickarasampalayam
	Vadavalam	
	Vadapudupattu	
Area (ha) 50,104	2,73,610	56,735





WATER HOLDING CAPACITY

VELLORE DISTRICT



DHARMAPURI

REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  River & gully

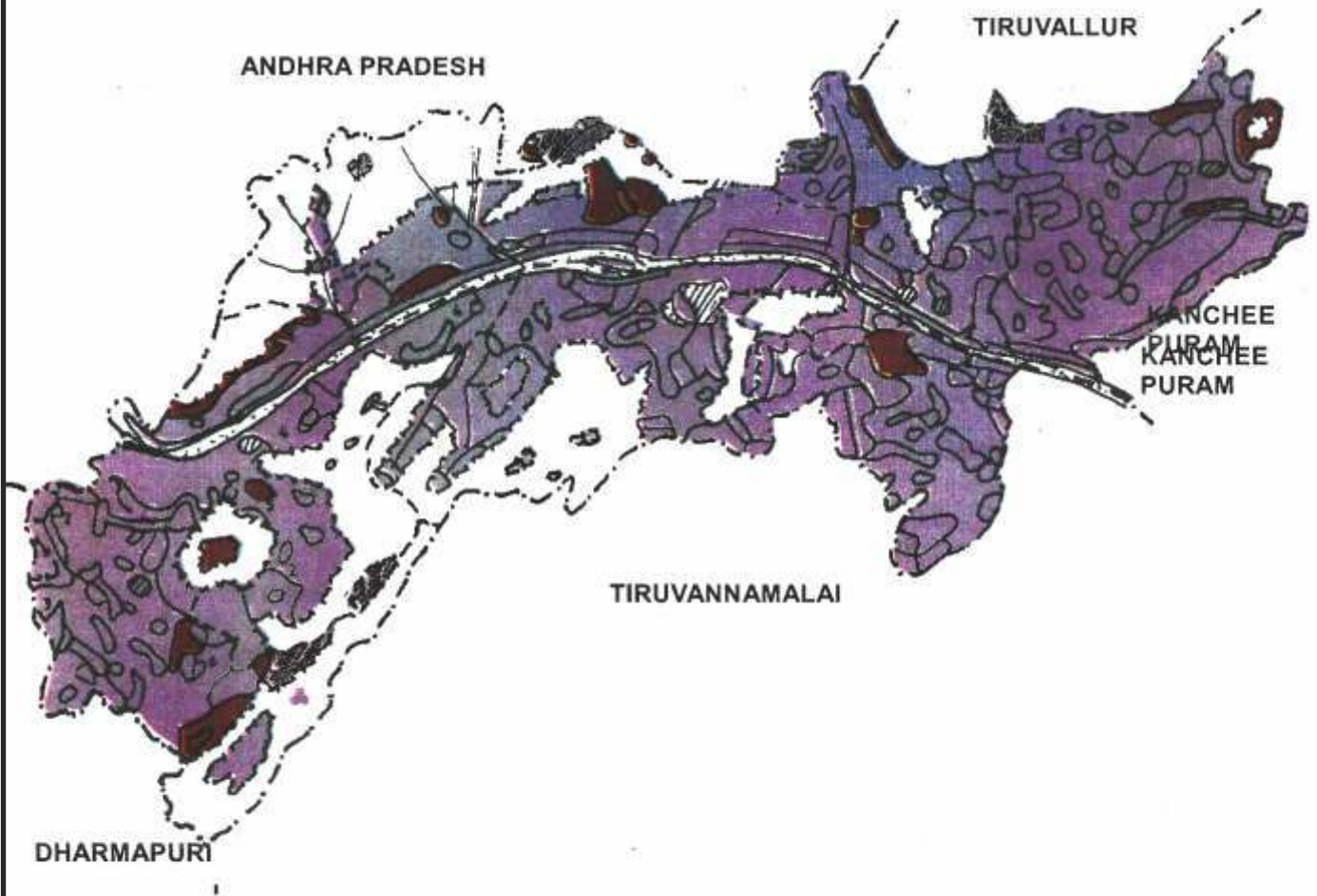
LEGEND

-  LOW
-  MEDIUM
-  HIGH





EROSION

Slight		Moderate	
	Mangalathupatty		Vannapatti
	Kolathur		Ethapur
	Vadavalam		Mailam
	Suramangalam		
	Kadambady		
	Idayapatti		
	Chickarasampalayam		
	Arasanatham		
	Padugai		
	Vadapudupattu		
	Pallipalayam		
Area (ha)	3,03,606		71,793

EROSION VELLORE DISTRICT



REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  River & gully

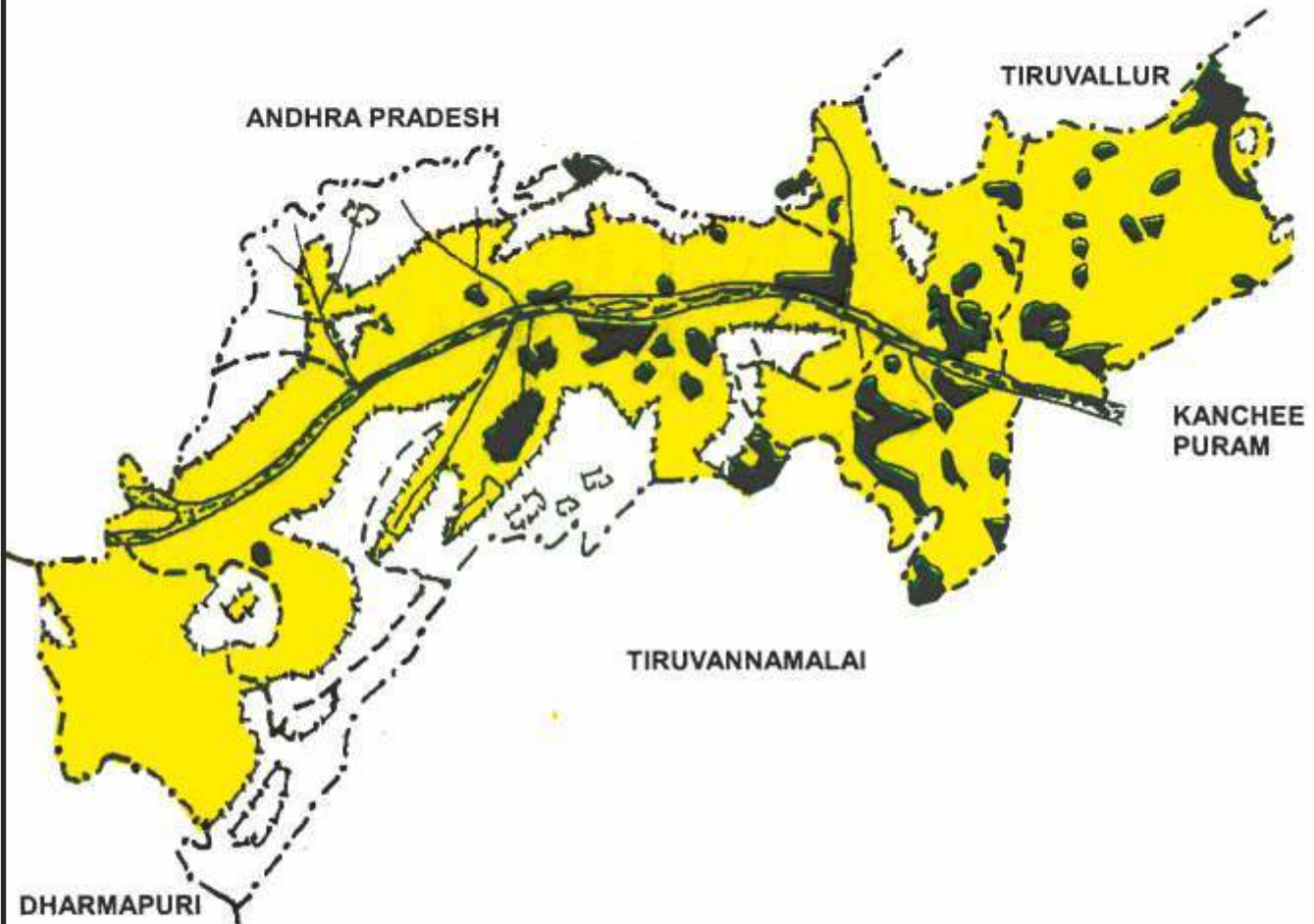
LEGEND

-  MODERATE
-  SLIGHT





CALCAREOUSNESS

Calcareous	Non calcareous
Suramangalam	Mangalathupatty
Chickarasampalayam	Kolathur
Arasanatham	Vadavalam
Idayapatti	Vannpatti
	Mailam
	Padugai
	Pallipalayam
	Vadapudupattu
	Kadambady
	Ethapur
Area (ha)	3,17,935
57,464	



CALCAREOUSNESS VELLORE DISTRICT



REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  River & gully

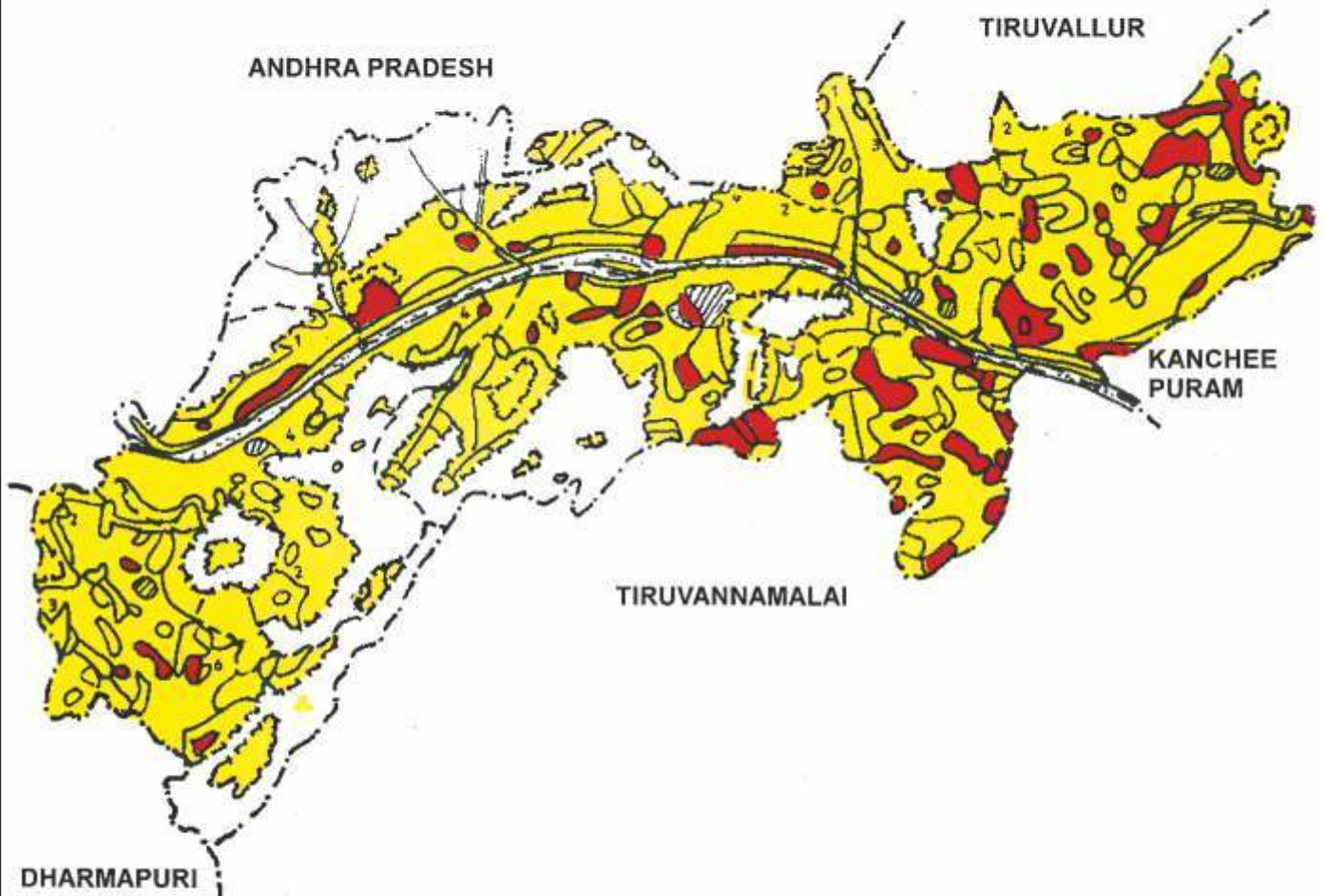
LEGEND

-  CALCAREOUS
-  NON CALCAREOUS

SALINITY

Saline	Non saline
Suramangalam	Mangalathupatty
Arasanatham	Kolathur
Chickarasampalayam	Vadavalam
Idayapatti	Vadapu'dupattu
	Vannapatti
	Mailam
	Ethapur
	Kadambady
	Padugai
	Pallipalayam
Area (ha) 52,464	3,22,935





SALINITY VELLORE DISTRICT



LEGEND



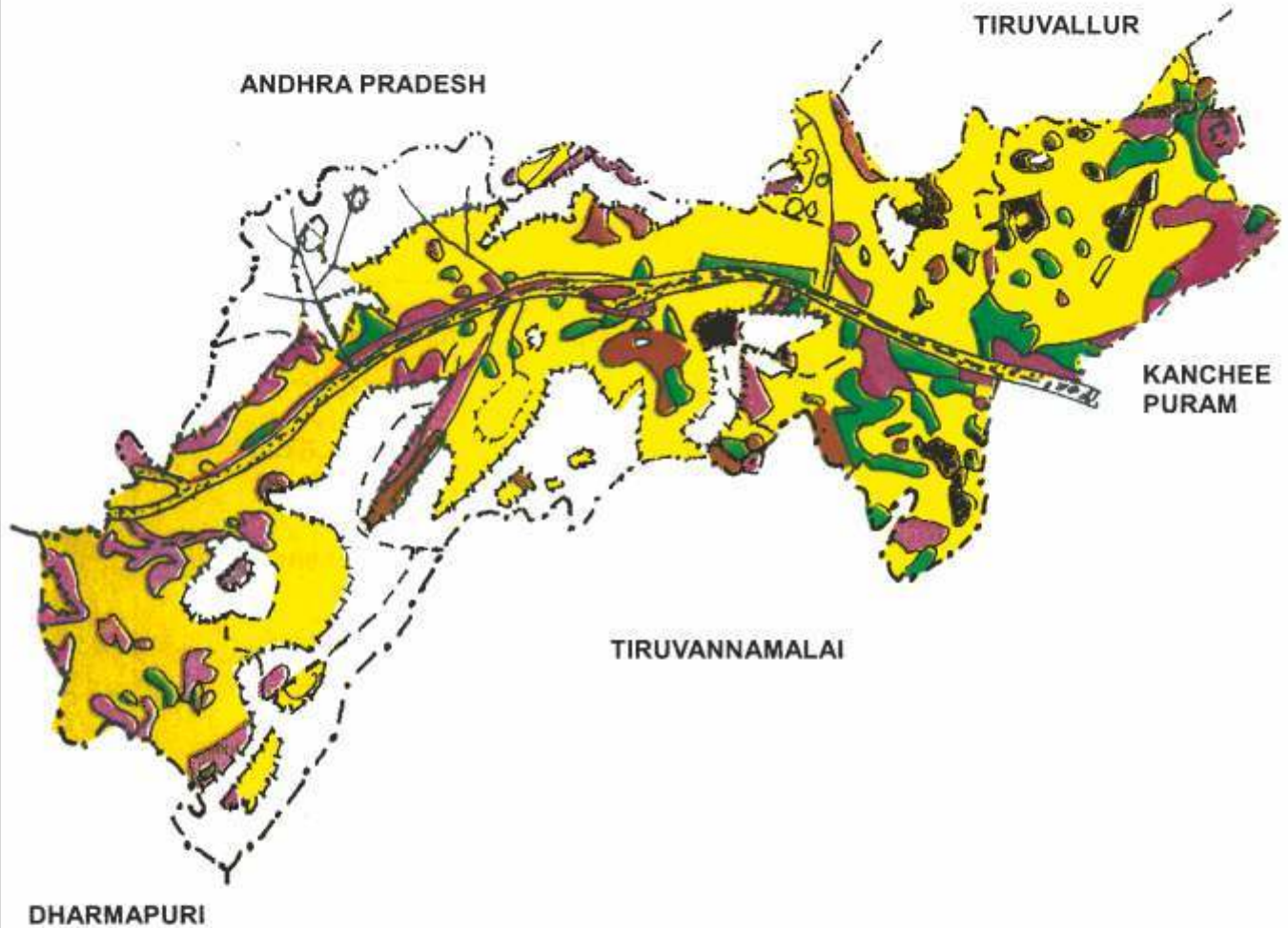
REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  River & gully

SOIL REACTION





Medium acid (pH 5.6 - 6.0)	Slightly acid (pH 6.1 - 6.5)	Neutral (pH 6.6 - 7.3)	Mildly alkaline (pH 7.4 - 7.8)	Moderately alkaline (pH 7.9 - 8.4)	Strongly alkaline (pH 8.5 - 9.0)
—	—	Ethapur	Mangalathu- patty	—	Idayapatty
—	—	Vannapatti	Kolathur	Kadambadi	Suramangalam
—	—	Mailam	Vadapudu pattu	Chickarasam- palayam	Arasanatham
—	—	Padugai	Padugai	—	—
—	—	Pallipalayam	—	—	—
Area (ha)	—	91,734	2,24,589	17,855	41,221

REACTION VELLORE DISTRICT



DHARMAPURI

REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  River & Gully

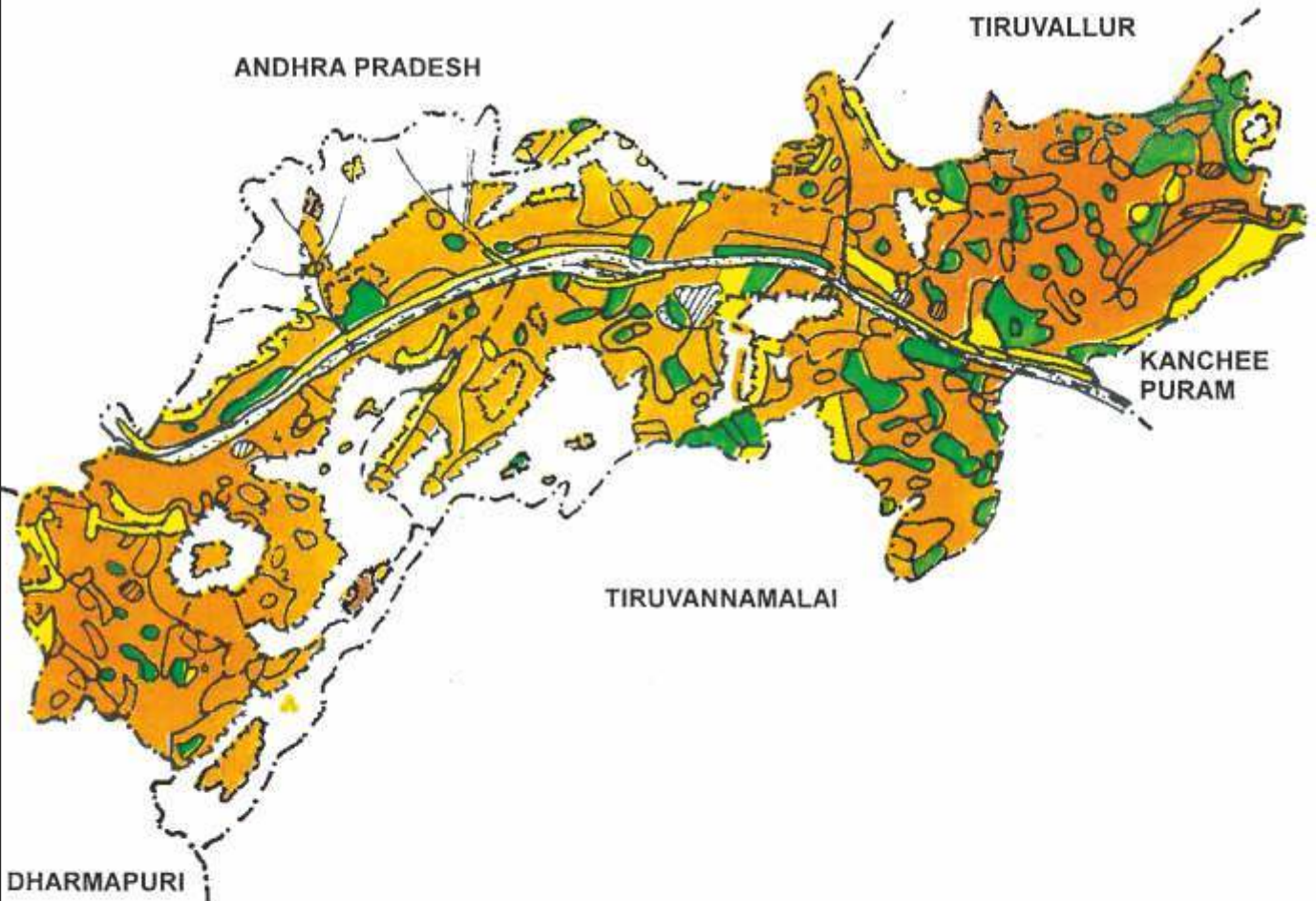
LEGEND

-  MILDLY ALKALINE
-  NEUTRAL
-  STRONGLY ALKALINE
-  MODERATELY ALKALINE





CATION EXCHANGE CAPACITY

Low (Less than 10 meq)	Medium (11 - 25 meq)	High (Above 25 meq)
Vannapatti	Mangalathupatty	Idayapatti
Mailam	Kolathur	Suramangalam
Pallipalayam	Vadavalam	Chickarasampalayam
Padugai	Ethapur	
	Arsanatham	
	Kadambady	
	Vadapudupattu	
Area (ha)	40,104	2,90,172
	45,123	




CATION EXCHANGE CAPACITY VELLORE DISTRICT



REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  River & gully

LEGEND

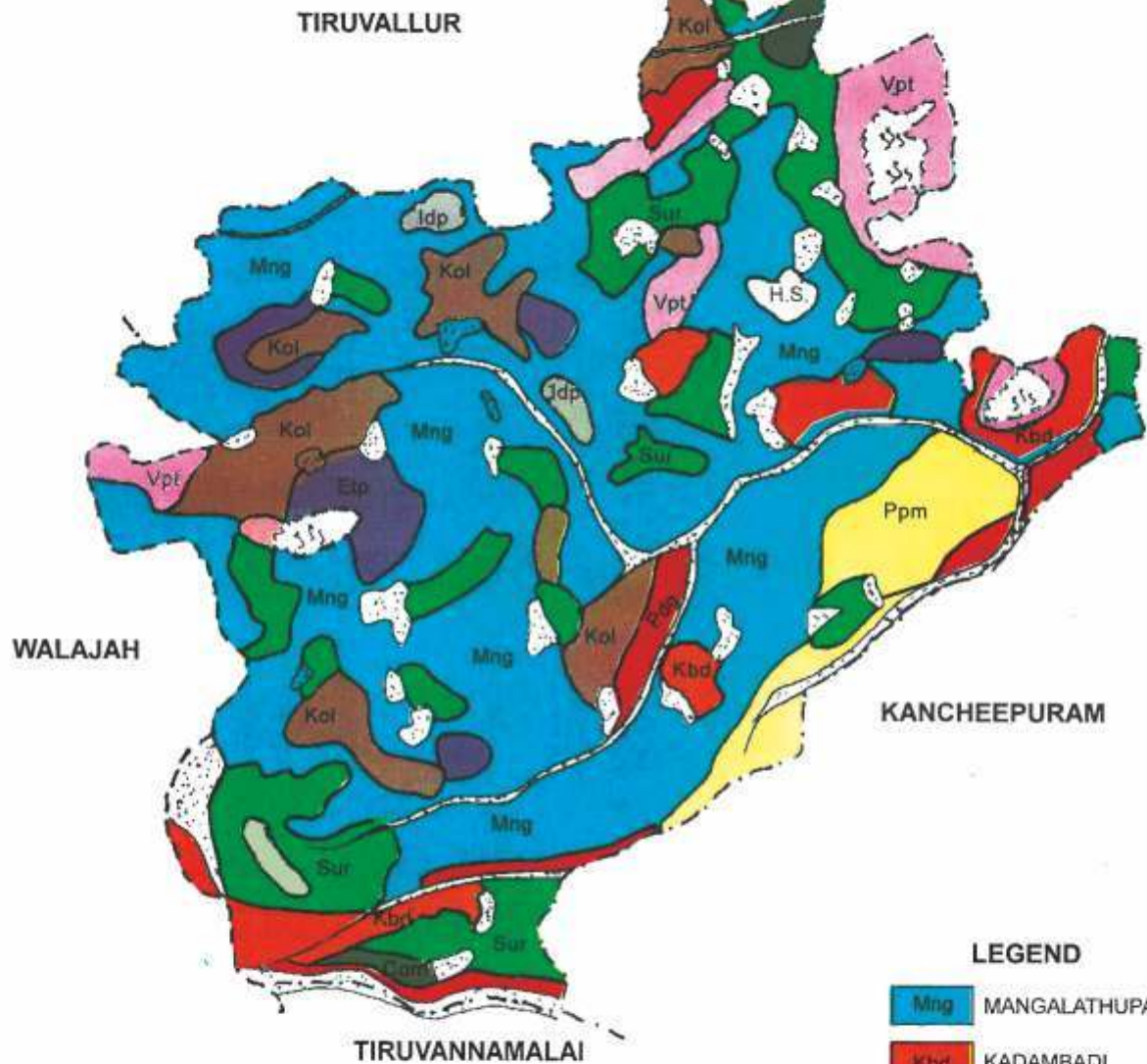
-  LOW
-  MEDIUM
-  HIGH

SOILS

ARAKONAM TALUK

Soil series	Symbol	Extent	
		ha	%
1. Mangalathupatty	Mng	29,896	35.51
2. Suramangalam	Sur	10,638	12.64
3. Kolathur	Kol	9,702	11.52
4. Ethapur	Etp	6,815	8.09
5. Vannapatti	Vpt	5,364	6.37
6. Pallipalayam	Ppm	4,778	5.68
7. Padugai	Pdg	3,745	4.45
8. Kadambadi	Kbd	2,092	2.49
9. Idayapatti	Idp	1,393	1.65
10. Chikarasampalayam	Cpm	155	0.18
11. Forest and others	—	9,611	11.42
Total		84,137	100.00

SOILS ARAKONAM TALUK




WALAJAH

KANCHEEPURAM

TIRUVANNAMALAI

REFERENCE

- State boundary
- District boundary
- - - - - Taluk boundary
- Forest boundary
-  Soil boundary

LEGEND

-  Mng MANGALATHUPATTY
-  Kbd KADAMBADI
-  Sur SURAMANGALAM
-  Vpt VANNAPATTI
-  Kol KOLATHUR
-  Csm CHICKARASAMPALAYAM
-  Ppm PALLIPALAYAM
-  Idp IDAYAPATTI
-  Pdg PADUGAI
-  Etp ETHAPUR

VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

ARAKONAM TALUK

Name of the village	Fertility status (kg/ac)			Dominant soil series
	Nitrogen	Phosphorus	Potassium	
(1)	(2)	(3)	(4)	(5)
ARAKONAM BLOCK				
1. Anandapuram	95	15	82	Vpt Mng
2. Anaipakkam	85	8	132	Vpt Pdg
3. Anaikattupudur	92	10	441	Pdg Vpt
4. Athur	93	8	220	Sur Mng
5. Kavanur	92	15	124	Vpt Kol
6. Kariakudal	98	9	441	Ppm Mng
7. Kilalathur	88	8	117	Mng Sur
8. Kilpakkam	114	18	173	Sur Mng
9. Kolathur	86	7	98	Sur Mng
10. Kondalam	78	14	240	Sur Vpt
11. Krishnapuram	111	5	135	Cpm Pdg
12. Nadur	82	10	60	Kol Etp
13. Nadukuppam	75	5	96	Vpt Ppm
14. Nacharkuppam	97	6	175	Vpt Ppm
15. Perungalathur	95	13	95	Mng Vpt
16. Pudukesavaram	60	17	43	Ppm Pdg
17. Poonai	100	20	44	Mng Sur
18. Thakkolam	92	12	75	Mng Kol
19. Thanigaipolur	85	7	103	Mng Kol
20. Uliyampakkam	91	10	114	Sur Mng
21. Valarpuram	82	13	91	Kol Sur
22. Veniyampakkam	95	12	126	Kol Etp
23. Vedanthangal	146	18	263	Pdg Mng
24. Velur	90	9	93	Sur Kol
25. Akkasikuppam	43	19	408	Mng Kol
26. Ammanur	90	19	125	Mng Kol

(1)	(2)	(3)	(4)	(5)
KAVERIPAKKAM BLOCK				
27. Anvarthikanpetti	38	12	115	Mng Sur
28. Allapakkam	75	9	98	Mng Kol
29. Arpakkam	102	17	119	Sur Kol
30. Attupudur	55	12	96	Mng Pdg
31. Ayal	106	4	330	Mng
32. Ayarpadi	89	12	151	Mng Kol
33. Banavaram	85	6	255	Mng Kol
34. Cheri	113	10	183	Sur Idp
35. Cheyur	97	14	140	Sur Idp
36. Dharumanidhi	90	12	97	Mng Pdg
37. Eralacheri	54	7	94	Sur Idp
38. Echiputhur	91	16	259	Pdg Vpt
39. Iyapedu	90	7	97	Mng Kol
40. Kolathur	91	7	112	Sur Mng
41. Knadigai	58	14	434	Mng Kol
42. Karikkal	90	9	93	Mng Kol
43. Kavivedu	88	6	109	Mng Pdg
44. Kavanur	71	6	128	Vpt Mng
45. Kattalai	89	13	115	Sur Idp
46. Kaveripakkam	34	12	77	Sur Idp
47. Kilavaram	60	14	150	Mng Sur
48. Kilverrapm	64	6	91	Mng KOI
49. Kunnathur	110	9	113	Vpt Kol
50. Kuthampakkam	70	9	139	Mng Kol
51. Maganipattu	98	18	115	Mng Kol
52. Mamandoor	88	14	154	Mng Pdg
53. Mangalam	83	7	107	Mng Kol
54. Mettumangalam	77	12	127	Mng Kol
55. Metukunnathur	87	10	195	Mng Kol
56. Minnal	91	20	90	Mng Kol
57. Nandivedanthangal	65	10	453	Vpt Kol
58. Ocheri	113	10	163	Sur Idp
59. Paliyur	147	14	442	Ppm

(1)	(2)	(3)	(4)	(5)
60. Paranji	75	7	320	Mng Sur
61. Peravathur	93	6	115	Mng Kol
62. Perumalpatti	55	17	65	Mng Kol
63. Perumutchi	63	20	115	Vpt Mng
64. Peruvalayam	28	12	128	Mry Kol
65. Pettai	83	6	314	Mng Kol
66. Pudupattu	73	8	290	Mng Kol
67. Pudur	70	7	115	Mng Sur
68. Sempedu	61	20	441	Mng Kol
69. Seruvalaym	105	20	325	Mng Kol
70. Thalikkai	76	8	132	Mng Kol
71. Thappur	97	11	309	Kol Etp
72. Thuraiperumbakkam	66	9	378	Mng Ppm
73. Vedal	71	14	189	Mng Kol
74. Vedmpakkam	67	6	87	Kol Ept
NEMILI BLOCK				
75. Arampathur	88	10	212	Mng Ppm
76. Arigalvadi	105	8	42	Pdg Ppm
77. Arapakkam	90	18	135	Kol Mng
78. Chitteri	122	12	441	Mng Kol
79. Chittor	83	11	54	Mng Pdg
80. Chinavaram	93	12	92	Mng Sur
81. Elathur	106	8	226	Mng Sur
82. Illupaithandalam	95	18	124	Mng Pdg
83. Jagirtandalam	76	10	70	Mng Pdg
84. Kalathur	88	12	92	Sur Mng
85. Kanniyavedu	79	11	134	Mng Kol
86. kattupakkam	92	10	440	Mng Kol
87. Kilanthurai	69	10	63	Sur Mng
88. Kilveethi	90	7	202	Mng Sur
89. Keelvenkatarapuram	62	12	185	Pdg Ppm
90. Kilvenbakkam	57	5	444	Pdg Ppm
91. Kodampakkam	46	15	68	Mng Kol
92. Mahendriravadi	59	8	75	Vpt Kol

(1)	(2)	(3)	(4)	(5)
93. Melathurai	58	9	93	Sur Mng
94. Mangattucheri	93	14	403	Mng Ppm
95. Melkaruthur	28	16	128	Mng Kol
96. Melpakkam	93	7	220	Sur Mng
97. Melapuram	148	7	150	Mng Pdg
98. Melvenbakkam	84	9	118	Sur Mng
99. Mittapalayam	88	5	99	Vpt Mng
100. Mottur	125	12	337	Vpt Mng
101. Murungai	83	8	59	Pdg Ppm
102. Mirkavaram	90	10	475	Mng Sur
103. Nagavedu	97	12	152	Sur Kng
104. Narasingapuram	78	8	130	Sur Mng
105. Neivoy	117	6	86	Pdg Ppm
106. Nemili	71	7	10	Pdg Ppm
107. Nerumpuli	95	11	131	Mng Kol
108. Othalam	101	10	255	Mng Kol
109. Pallur	78	18	29	Pdg Ppm
110. Panapakkam	122	6	80	Mng Pdg
111. Parameswaramangalam	80	20	278	Pdg Ppm
112. Paruthiputhu	83	12	219	Mng Vpt
113. Parapperi	74	7	74	Mng Kol
114. Perumugai	141	11	127	Vpt Mng
115. Perumbulipakkam	84	5	126	Mng Pdg
116. Rajapalayam	78	6	133	Mry Sur
117. Reddiyalam	78	7	29	Mng pdg
118. Sankaranpadi	42	13	366	MngqPdg
119. Selvamadanthai	77	7	319	Mng Sur
120. Sirunamalli	87	19	134	Sur Pdg
121. T.Cheri	75	9	260	Mng Kol
122. Ulliyallur	99	7	55	Mng Kol
123. Vellithangipuram	67	11	375	Sur Pdg
124. Vaniyanallur	77	4	103	Kol Mry
125. Velliyanallur	99	7	55	Mng Kol
126. Vettankulam	73	16	191	Mng Kol
127. V.M. Puram	64	6	98	Mng Pdg

LAND CAPABILITY

ARAKONAM TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
41,690	II es	Mangalathupayy Kadambadi Kolathur	Erosion surface run-off topography	Soil conservation
155	II s	Chickarasampalayam	Salinity	Soil reclamation
10,638	II ws	Suramangalam	Wetness salinity	Improving drainage selection of crops
6,813	III e	Ethapur	Erosion run off	Soil conservation
1,393	III s	Idayapatti	Alkalinity cracks	Soil reclamation
5,364	III es	Vannapatti	Erosion shallow depth	Soil conservation

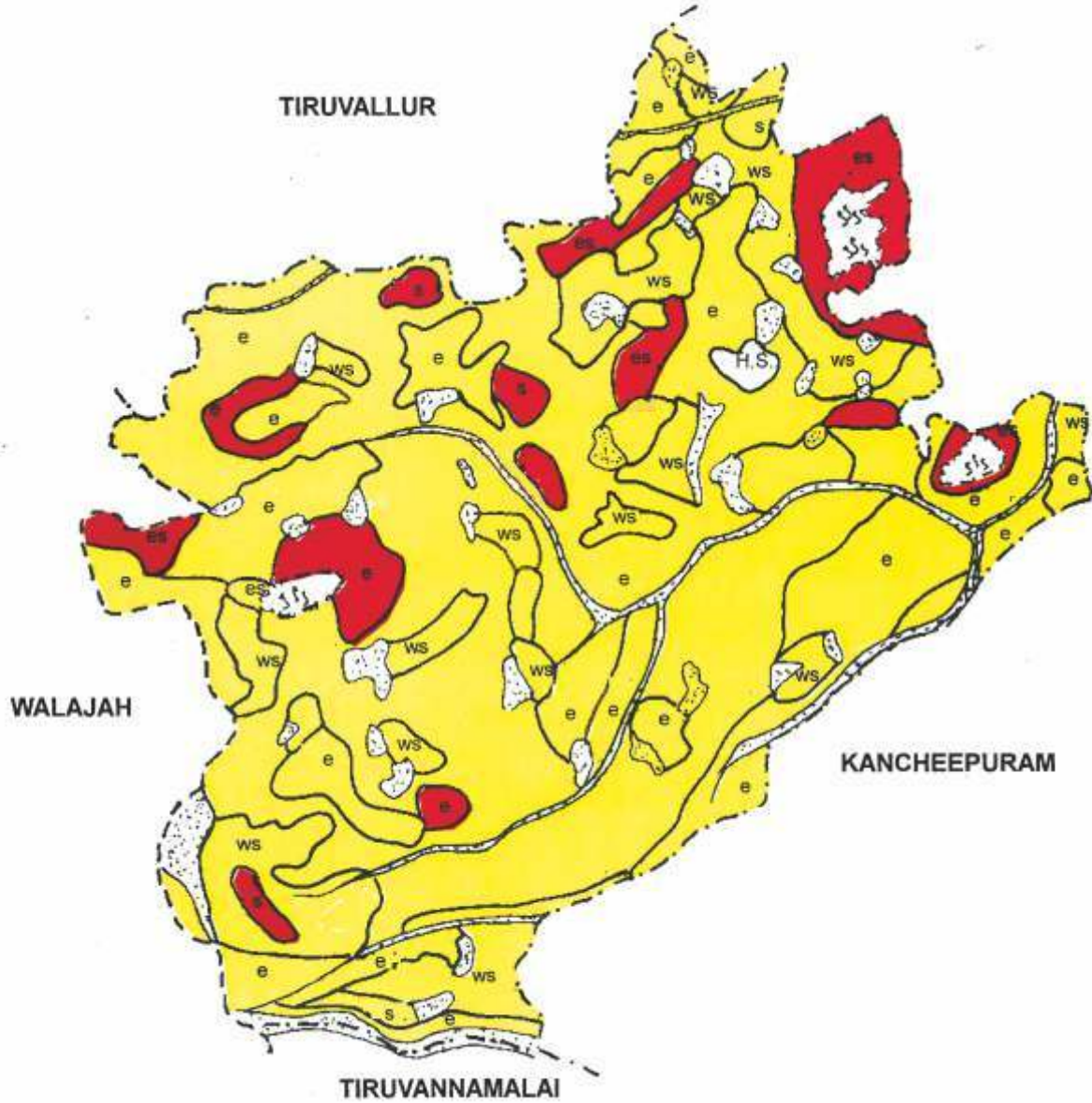
Class

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






Sub class

- s** root zone limitation
- e** erosion and run off

LAND CAPABILITY ARAKONAM TALUK





REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  Forest boundary
-  River & Gully

LEGEND

CLASS

-  GOOD CULTIVABLE LAND
-  MODERATELY GOOD CULTIVABLE LANDS

SUB CLASS

- e - EROSION & RUNOFF
- t - TOPOGRAPHY
- d - DRAINAGE

LAND IRRIGABILITY

ARAKONAM TALUK

Area (ha)	Land irrigability classification	Soil series	Limitations
41,690	2 t	Mangalathupatty Kolathur Kadambady	Run off topography
155	2 s	Chickarasampalayam	Salinity
19,161	2 ds	Suramangalam Padugai Pallipalayam	Flood, stratification alkalinity
5,364	3 s	Vannapatti	Shallow depth low water holding capaci coarse fragme
6,813	3 st	Ethapur	Topography erosion
1,393	3sd	Idayapatty	Alkalinity slow permeability

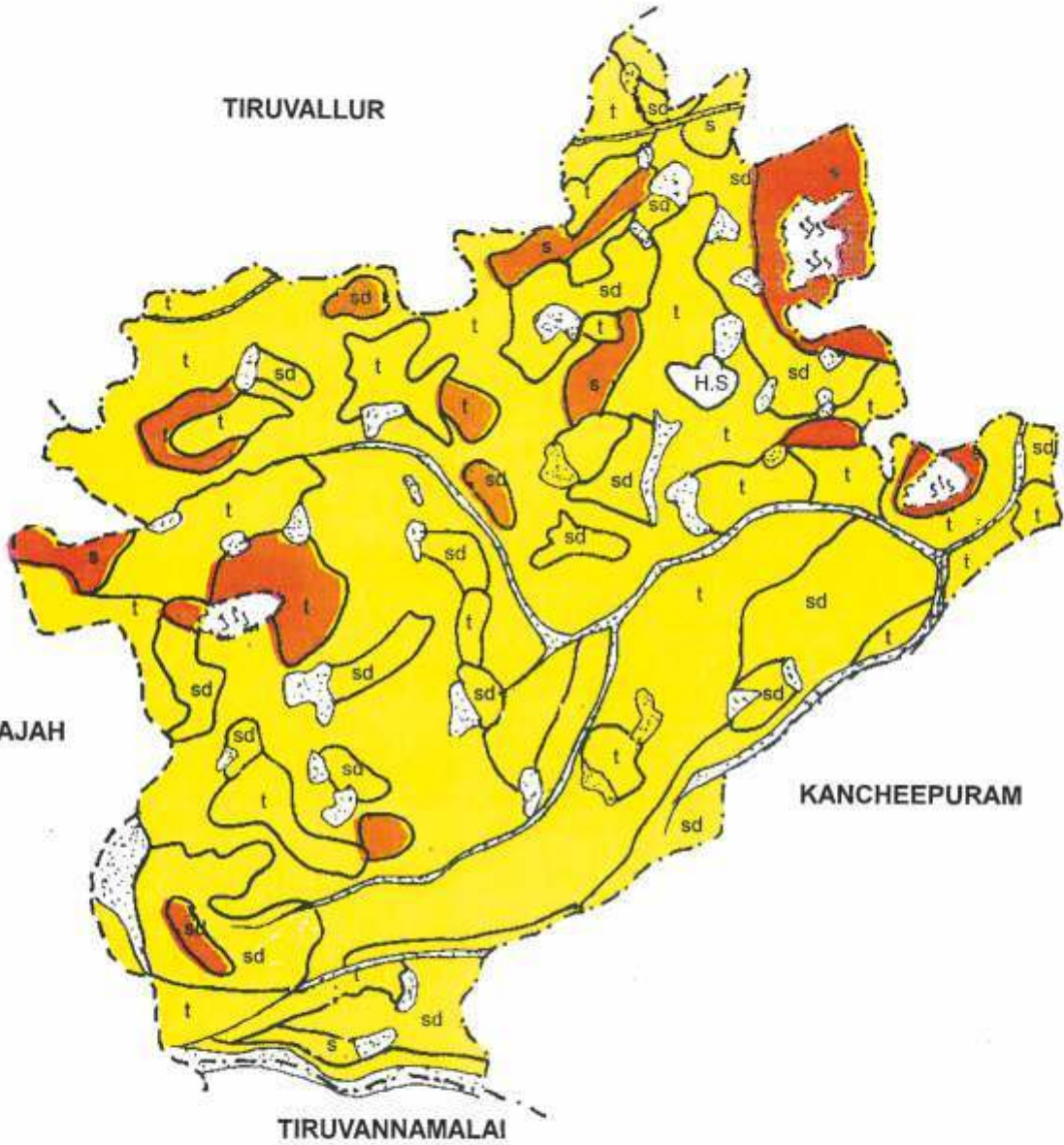
Class

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


Sub class

- s** soil limitation
- d** drainage

LAND IRRIGABILITY ARAKONAM TALUK





REFERENCE

- State boundary
- District boundary
- Taluk boundary
- Forest boundary
-  River & Gully

LEGEND

CLASS

-  SEVERE LIMITATIONS
-  MODERATE LIMITATIONS

SUB CLASS

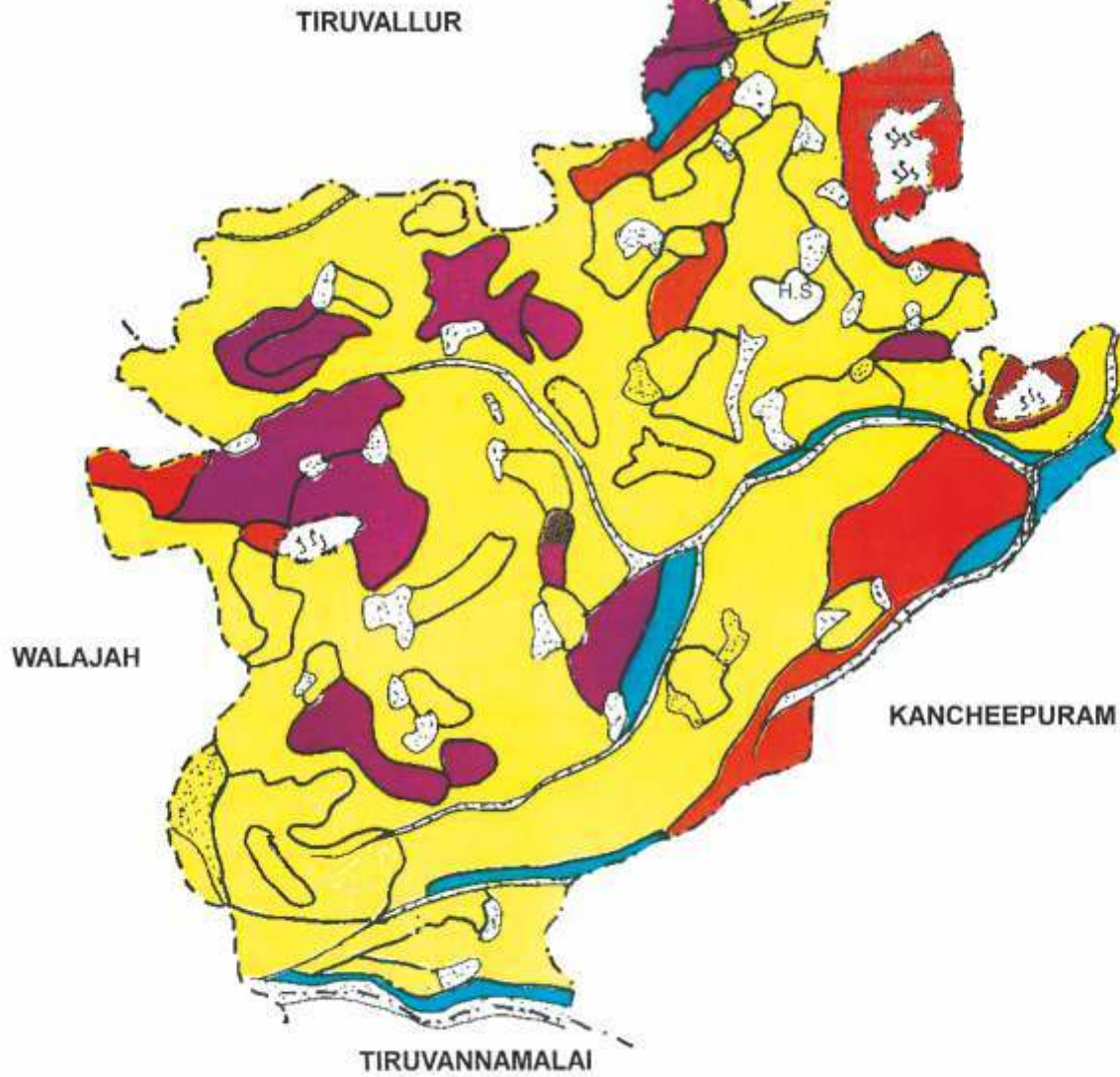
- s - SOIL LIMITATION
- t - TOPOGRAPHY
- d - DRAINAGE

SOIL PRODUCTIVITY





ARAKONAM TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
10,142	0 - 7	Extremely poor	Vannapatti Pallipalayam
3,745	8 - 19	Poor	Padugai
44,174	20 - 34	Average	Idayapatty Suramangalam Mangalathupatty Kadambady Chickarasampalayam
16,515	35 - 64	Good	Kolathur Ethapur


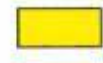
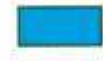

SOIL PRODUCTIVITY ARAKONAM TALUK



REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  Forest boundary
-  River & Gully

LEGEND

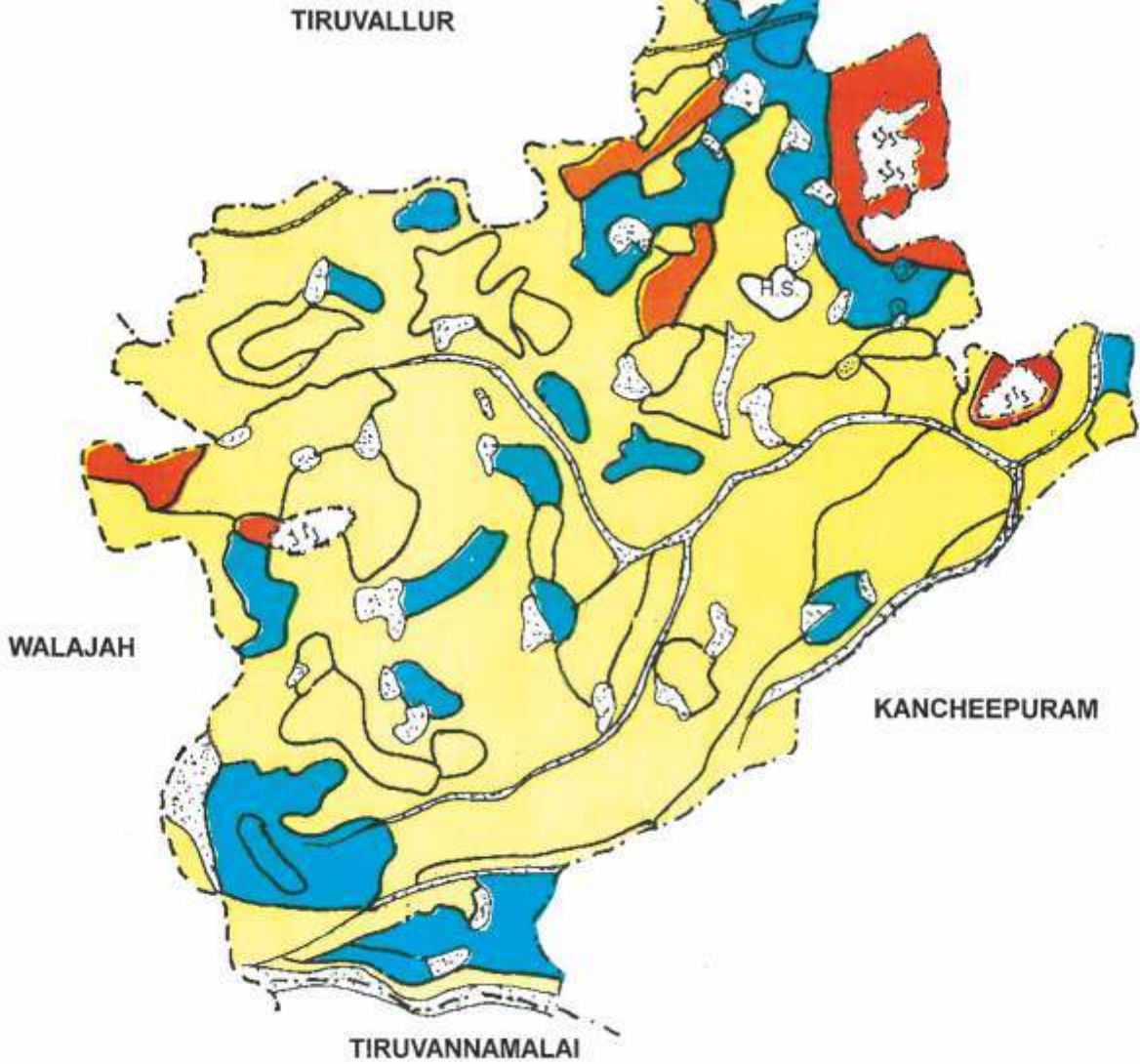
-  1
-  2
-  3
-  4

CROPS GROWN


ARAKONAM TALUK

Map symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Vannapatti	Groundnut Pulses	Paddy Sugarcane Pulses
2	Mangalathupatty Kolathur Kadambady Ethapur Padugai Pallipalayam	Groundnut Millets Pulses	Paddy Groundnut Pulses Millets Vegetables Sugarcane Banana Flowers Coconut
3	Suramangalam Chickarasampalayam Idayapatti	Sunflower Millets Pulses	Paddy Millets Flowers Vegetables Coconut




CROPS GROWN ARAKONAM TALUK



REFERENCE

- State boundary
- District boundary
- - - - - Taluk boundary
- Forest boundary
-  River & Gully

LEGEND

-  1
-  2
-  3

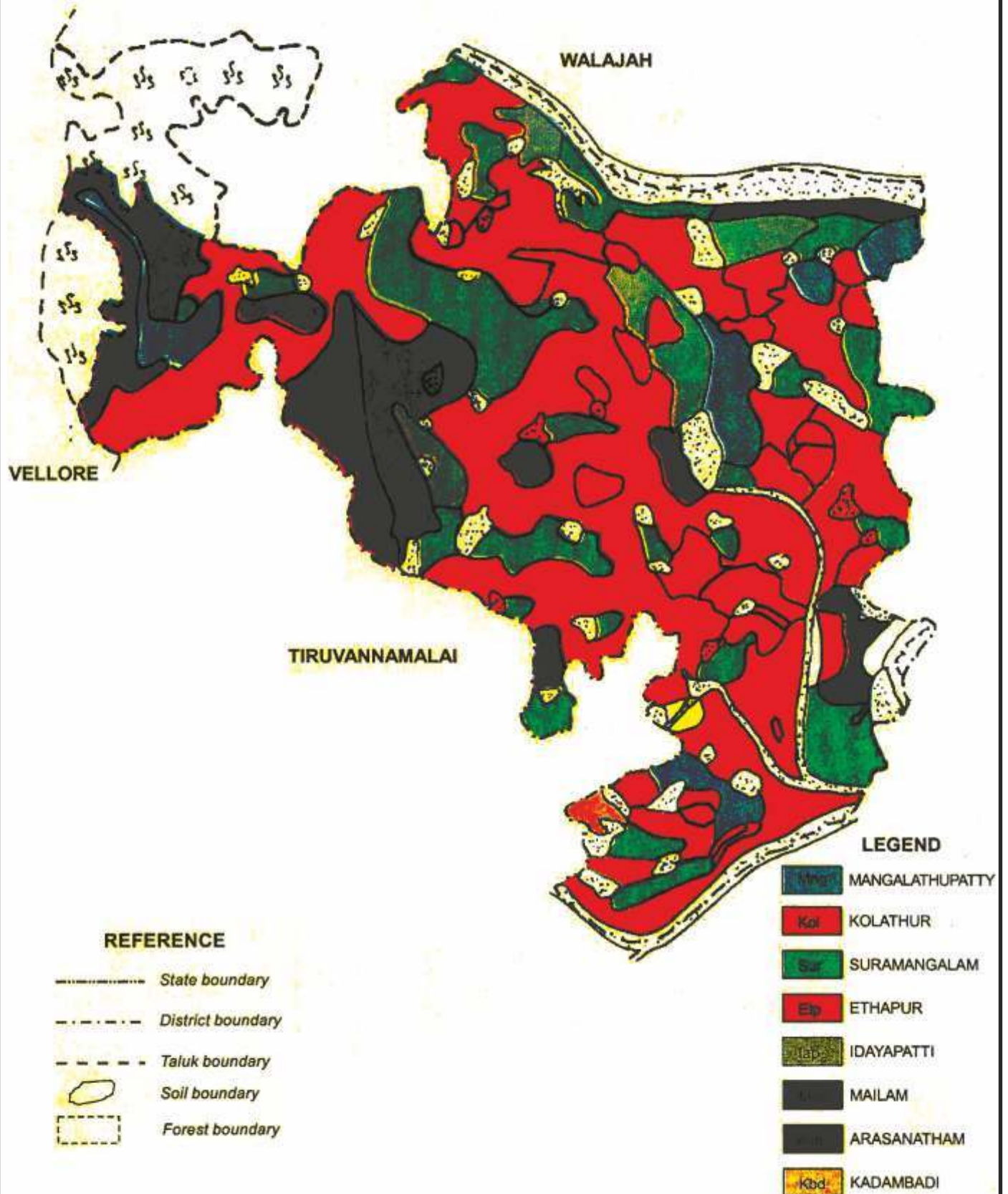
SOILS

ARCOT TALUK

Soil series	Symbol	Extent	
		ha	%
1. Kolathur	Kol	12,247	23.48
2. Ethapur	Etp	7,213	13.82
3. Suramangalam	Sur	5,709	10.95
4. Mangalathupatty	Mng	3,639	6.98
5. Arasanatham	Anm	3,629	6.69
6. Mailam	Mlm	2,444	4.69
7. Idayapatti	Idp	2,232	4.28
8. Kadambadi	Kbd	188	0.36
9. Forest and others	—	14,856	28.48
Total		52,157	100.00

SOILS

ARCOT TALUK



VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

ARCOT TALUK

Name of the village	Fertility status (kg/ac)			Dominant soil series
	Nitrogen	Phosphorus	Potassium	
(1)	(2)	(3)	(4)	(5)
ARCOT BLOCK				
1. Ayilam	145	11	116	Mng Vpt
2. Arunkundram	91	8	186	Kol Mng
3. Atumakkam	96	8	180	Sur Mng
4. Ananthangal	94	12	144	Etp Mng
5. Buderu	87	10	119	Mng Kol
6. Dasipuram	92	9	230	Etp Kol
7. D.C. Kuppam	86	10	125	Mng Kol
8. Erusathapuram	96	8	103	Mng Kol
9. Esayanoor	110	8	183	Kol Mng
10. Kodali	75	10	165	Kol Ept
11. Kilminnal	84	9	214	Mng Vpt
12. Karikkathangal	81	14	172	Mng Kol
13. Kilpadi	90	7	215	Kol Etp
14. Karampadi	97	12	105	Kol Mng
15. Kathiyavadi	109	7	47	Mng Kol
16. Kathiyavadi	79	9	114	Mng Kol
17. Ladvaram	75	13	225	Kol Mng
18. Maruthamangalam	93	7	130	Kol Mng

(1)	(2)	(3)	(4)	(5)
19. Manguppam	83	9	87	Kol Mng
20. Maruthampadi	81	8	143	Kol Mng
21. Melakuppam	141	11	98	Kol Mng
22. Mangadu	94	11	294	Idp Sur
23. Muppadvetti	80	10	119	Idp Sur
24. Mulluvadi	101	11	131	Sur Etp
25. Mecheri	126	11	121	Kol Mng
26. N.S. Palayam	88	9	42	Kol Idp
27. Nadiyalam	99	7	163	Kol Mng
28. Ozhalai	71	13	120	Kol Etp
29. Perungalmedu	90	8	181	Mng Sur
30. Padi	74	10	118	Vpt Mng
31. Puttuthakku	93	8	135	Kol Mng
32. Pudupadi	77	7	124	Kol Mng
33. Sambasivapuram	86	7	136	Kol Mng
34. Thalayanoor	83	20	212	Kol Mng
35. Thuthithangal	72	10	172	Mng Kol
36. Uppupettai	88	7	115	Kol Sur
37. Valavanoor	89	9	117	Mng Idp
38. Veppur	89	9	127	Kol Mng
39. Veppur	148	14	163	Kol Mng
THIMIRI BLOCK				
40. Agaram	83	14	166	Kol Sur
41. Anainallur	93	7	95	Kol Sur
42. Ayiramangalam	104	6	102	Kol Etp
43. Athiyanam	100	7	120	Kol Etp
44. Arur	69	11	119	Kol Etp

(1)	(2)	(3)	(4)	(5)
45. Allalacheri	91	7	185	Kol Mng
46. Cheiyathuvannam	107	6	112	Kol Etp
47. Durgam	87	8	130	Mng kol
48. Gunndaleri	77	9	123	Sur Kol
49. Irungur	97	7	117	Etp Mng
50. Kalavai	98	7	92	Kol Etp
51. Kalavaiputhur	65	9	24	Kol Etp
52. Keerambadi	88	7	95	Kol Mng
53. Karikkanthangal	96	9	105	Kol Idp
54. kuttiyam	96	9	98	Kol Ept
55. Keelkuppam	93	9	95	Mng Kol
56. Kadappanthangal	68	9	127	Kol Mng
57. Kamalanaickempalayam	97	5	116	Vpt Mng
58. Mazaiyur	87	8	161	Kol Ept
59. Melenethapakkam	80	9	172	Mng Sur
60. Muppathuvetti	81	10	105	Idp Sur
61. Manthangal	98	9	115	Vpt Mng
62. Moosur	81	8	103	Vpt Mng
63. Mambakkam	77	14	118	Sur Mng
64. Melathangal	90	8	170	Vpt Mng
65. Nallur	87	8	222	Kol Mng
66. Nambarai	150	14	103	Vpt Mng
67. Nallizayur	87	9	161	Etp Sur
68. Melnalli	81	12	176	Vpt Mng

(1)	(2)	(3)	(4)	(5)
69. Pinnathangal	94	8	133	Kol Etp
70. Palayam	69	11	101	Kol Etp
71. Papperi	97	9	115	Kol Edp
72. Perumanthangal	85	7	98	Kol Etp
73. Ponnaipadi	81	7	105	Sur Idp
74. Pinnanathangal	93	8	105	Mng Idp
75. Palayanur	90	8	98	Sur Kol
76. Parikkalpattu	98	8	113	Kol Sur
77. Pali	81	9	105	Kol Etp
78. Puthur	87	7	115	Kol Etp
79. Pariamangalam	87	10	122	Kol Mng
80. Pattanam	100	6	119	Kol Mng
81. Seyathuvannam	109	6	89	Kol Etp
82. Senganavaram	88	12	124	Kol Etp
83. Soraiyur	85	9	125	Kol Etp
84. Thimiri	150	15	485	Kol Mng
85. Thonimedu	93	7	105	Etp Kol
86. Thajipuram	96	7	105	Sur Kol
87. Vanakkampadi	71	13	122	Vpt Mng
88. Valappanthah	87	8	120	Sur Kol
89. Valavanur	93	8	108	Mng Sur
90. Venkatapuram	93	7	78	Vpt Mng
91. Vilapakkam	89	6	115	Kol Sur
92. Vellambi	99	8	118	Sur Kol
93. Vellari	88	8	112	Idp Sur

LAND CAPABILITY

ARCOT TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
16,074	II e	Mangalathupatty Kolathur Kadambady	Erosion surface run-off topography	Soil conservation
3,629	II s	Arasanatham	Salinity	Soil reclamation
5,709	II ws	Suramangalam	Wetness salinity	Improving drainage selection of crops
7,213	III e	Ethapur	Erosion	Soil conservation
2,232	III s	Idayapatti	Alkalinity cracks	Soil reclamation
2,444	III es	Mailam	Erosion shallow depth	Soil conservation

Class

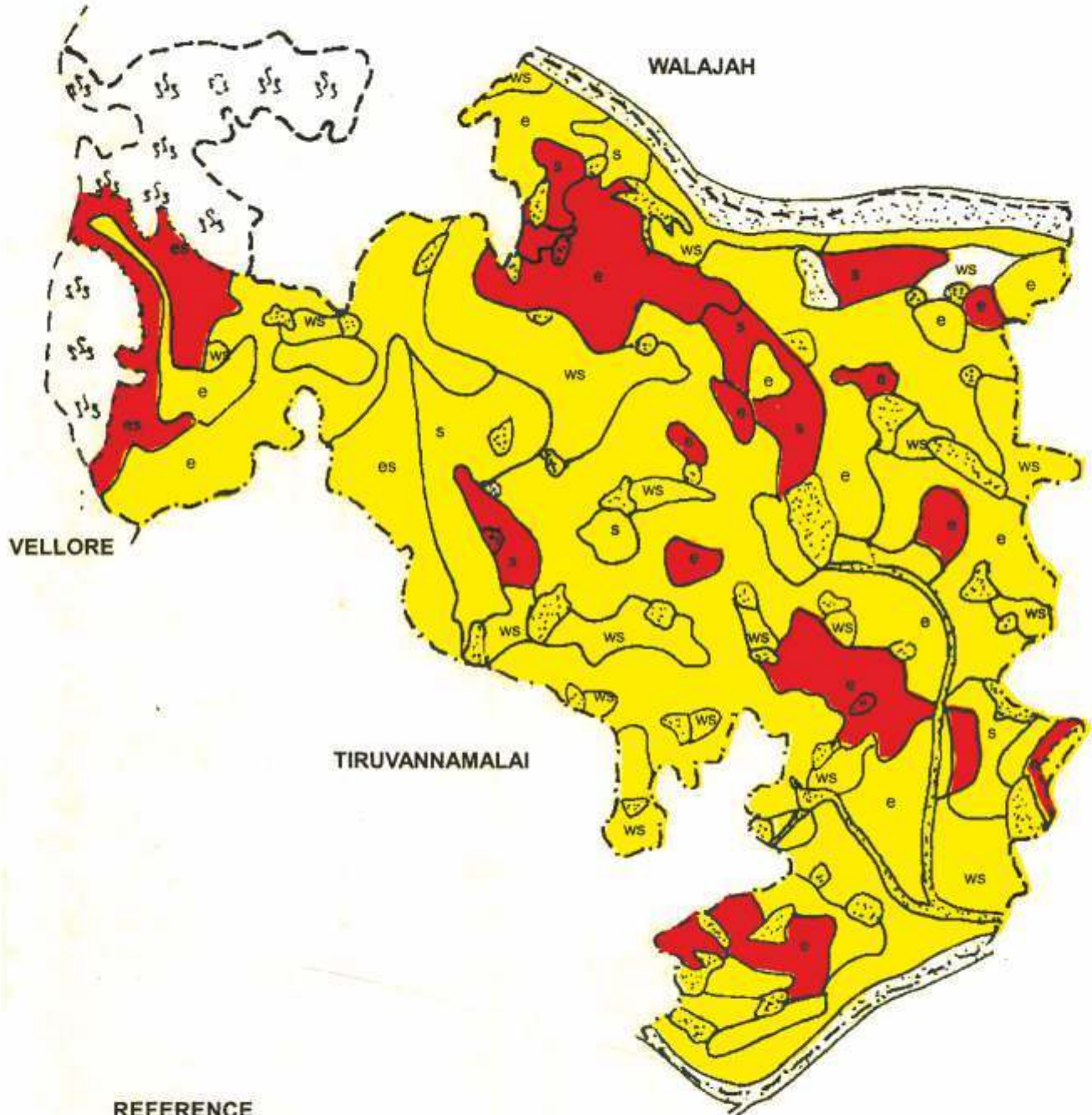
- II** Good cultivable lands that have moderate limitations for sustained use under agriculture
- III** Moderately good cultivable lands that have severe limitation for sustained use under agriculture

Sub class

- e** erosion and run off
- s** root zone limitation
- w** wetness

LAND CAPABILITY

ARCOT TALUK



REFERENCE

- State boundary
- District boundary
- Taluk boundary
- Forest boundary

LEGEND

CLASS

- GOOD CULTIVABLE LAND
- MODERATELY GOOD CULTIVABLE LAND

SUB CLASS

- e - EROSION & RUNOFF
- s - SOIL LIMITATION
- w - WETNESS

LAND IRRIGABILITY

ARCOT TALUK

Area (ha)	Land irrigability classification	Soil series	Limitations
16,074	2 t	Mangalathupatty Kolathur Kadambady	Run off topography
3,629	2 s	Arasanatham	Salinity
5,709	2 ds	Suramangalam	Flood alkalinity
2,444	3 s	Mailam	Shallow depth low water holding capacity coarse fragments
2,213	3 t	Ethapur	Topography erosion
2,232	3sd	Idayapatty	Alkalinity slow permeability

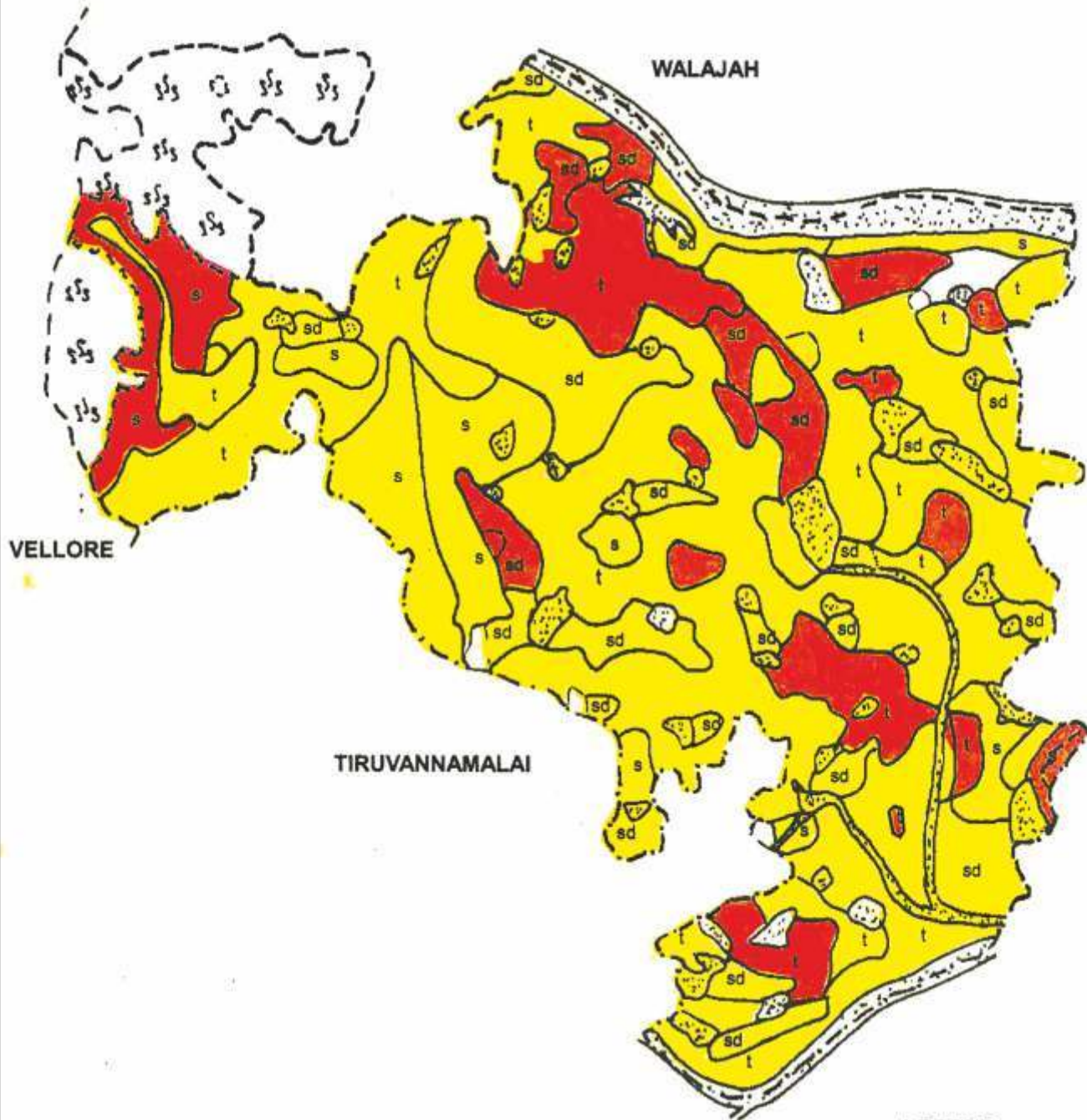
Class

- 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 ARCOT TALUK



REFERENCE

- State boundary
- District boundary
- Taluk boundary
- Forest boundary

LEGEND

CLASS

- SEVERE LIMITATION
- MODERATE LIMITATION

SUB CLASS

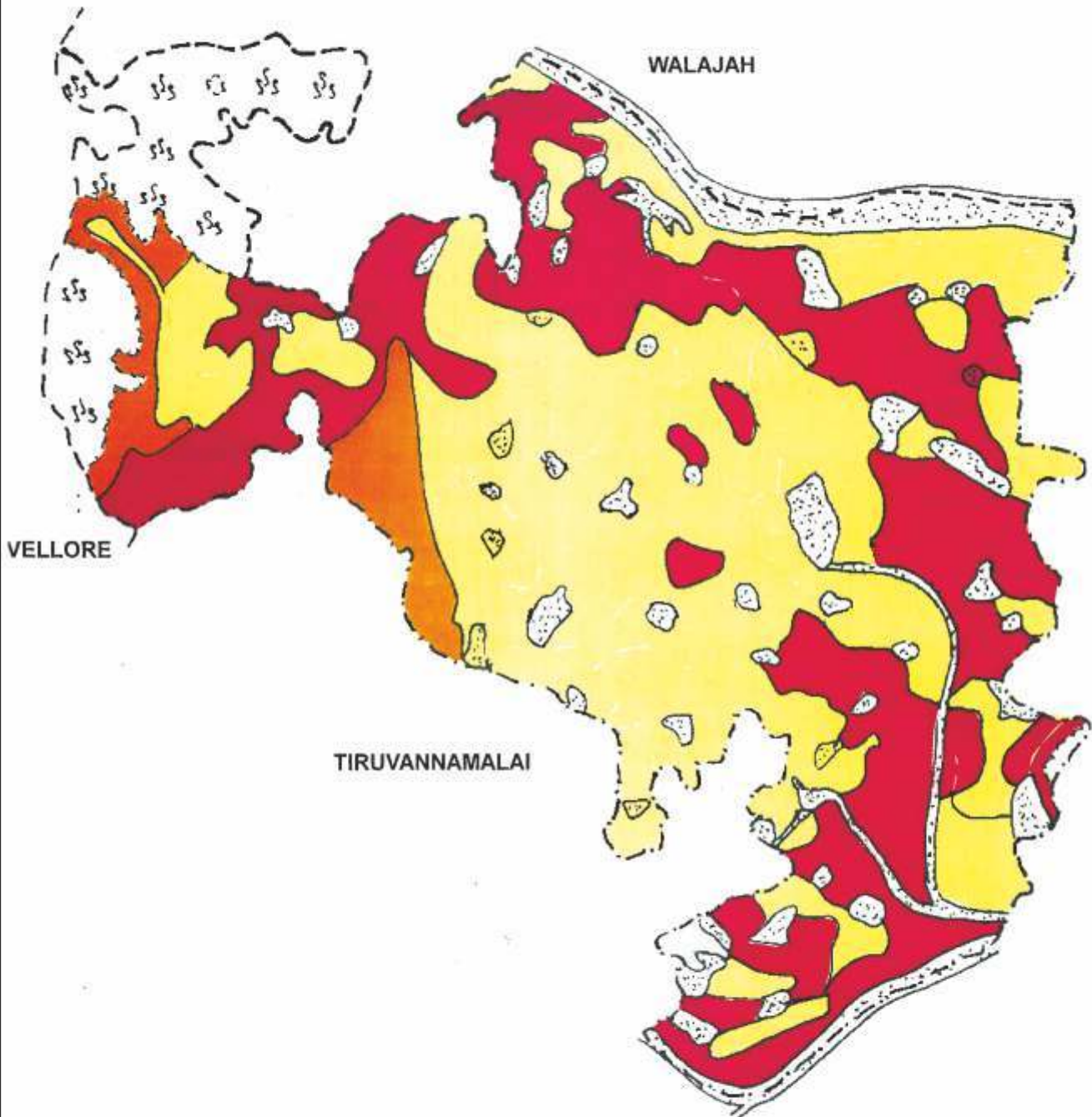
- s - SOIL LIMITATION
- t - TOPOGRAPHY
- d - DRAINAGE

SOIL PRODUCTIVITY

ARCOT TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
2,444	0 - 7	Extremely poor	Mailam
—	8 - 19	Poor	—
15,397	20 - 34	Average	Mangalathupatty Kadambady Suramangalam Idayapatty Arsanatham
19,460	35 - 64	Good	Kolathur Ethapur

SOIL PRODUCTIVITY ARCOT TALUK



REFERENCE

- State boundary
- - - - - District boundary
- - - - - Taluk boundary
- Forest boundary

LEGEND

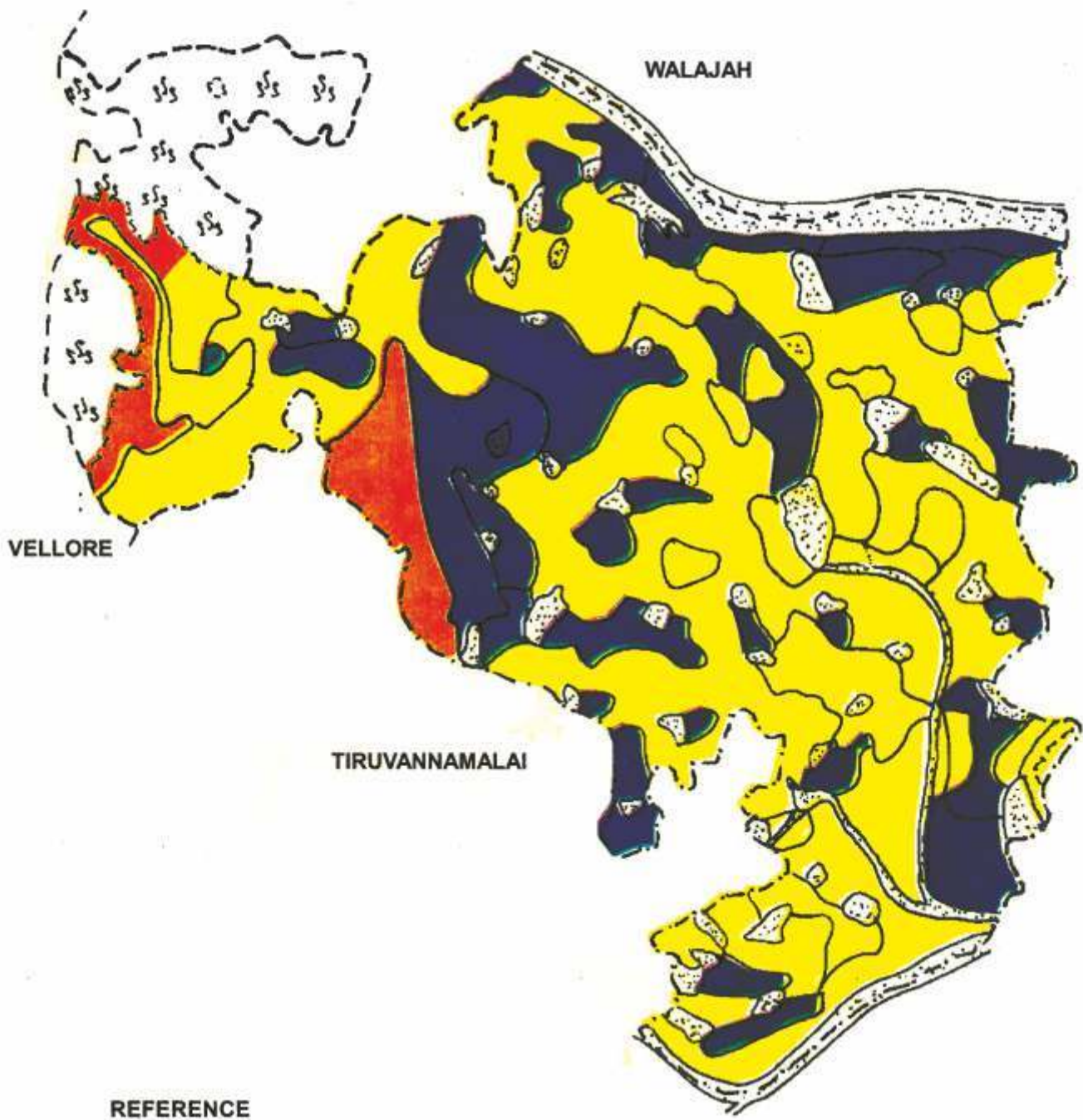
- 1
- 2
- 4

CROPS GROWN

ARCOT TALUK

Map symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Mailam	Groundnut Millets Pulses Gingelly	Paddy Sugarcane Pulses
2	Mangalathupatty Kolathur Ethapur Kadambady	Groundnut Millets Pulses Gingelly Mango	Groundnut Paddy Sugarcane Pulses Millets Vegetables Banana Coconut
3	Suramangalam Idayapatti Arsanatham	Pulses Millets	Sugarcane Paddy Millets Pulses Banana Vegetables Coconut



CROPS GROWN ARCOT TALUK



REFERENCE

- State boundary
- District boundary
- Taluk boundary
- Forest boundary

LEGEND

-  1
-  2
-  3

SOILS

GUDIYATHAM TALUK

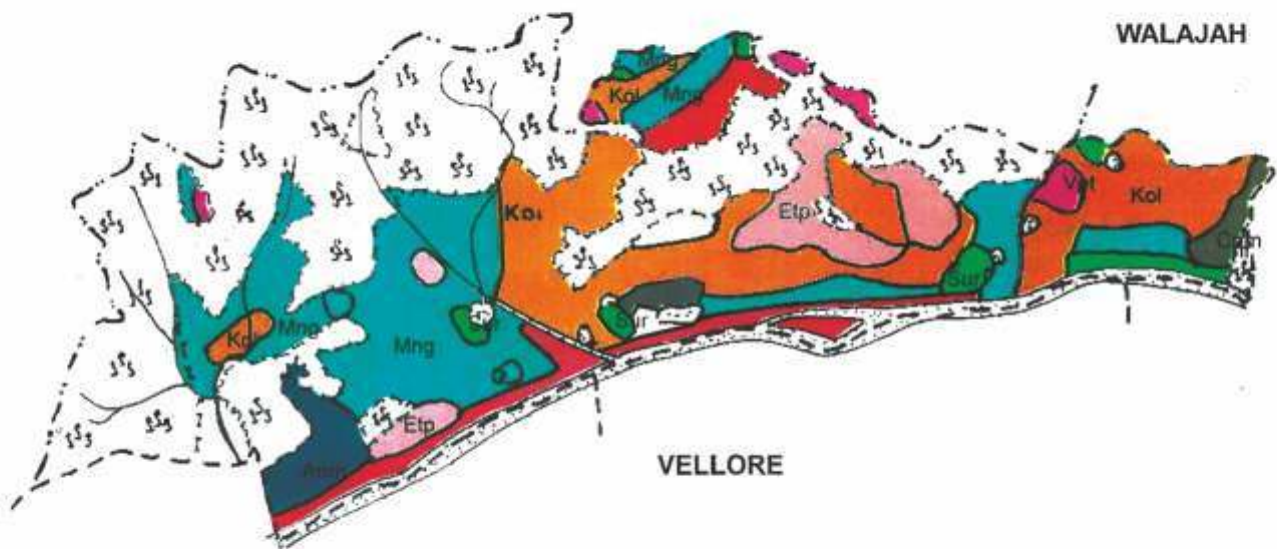
Soil series	Symbol	Extent	
		ha	%
1. Mangalathupatty	Mng	21,906	19.38
2. Kolathur	Kol	17,860	15.80
3. Ethapur	Etp	8,091	7.16
4. Chickarasampalayam	Cpm	4,812	4.26
5. Padugai	Pdg	4,763	4.22
6. Arasanatham	Anm	3,712	3.28
7. Suramangalam	Sur	2,142	2.13
8. Vannapatti	Vpt	1,407	1.25
9. Forest and others	—	48,046	42.52
Total		1,13,009	100.00

SOILS GUDIYATHAM TALUK



ANDHRA PRADESH

WALAJAH



VELLORE

REFERENCE



LEGEND

Mng	MANGALATHUPATTY
Kol	KOLATHUR
Cpm	CHIKKARASAMPALAYAM
Etp	ETHAPUR
Arn	ARASANATHAM
Pad	PADUGAI
Van	VANNAPATTI
Sur	SURAMANGALAM

VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

GUDIYATHAM TALUK

Name of the village	Fertility status (kg/ac)			Dominant soil series
	Nitrogen	Phosphorus	Potassium	
(1)	(2)	(3)	(4)	(5)
GUDIYATHAM BLOCK				
1. Ananganellore	93	15	51	Pdg Mng
2. Boojanapuram	91	7	102	Mng Vpt
3. Chettikuppam	93	7	102	Mng Vpt
4. Chinnathottalam	68	12	142	Pdg
5. Chinnalapalli	85	6	105	Pdg
6. Danakondapalli	85	8	95	Mng
7. D.P. palayam	86	5	109	Mng Etp
8. Erthangal	94	8	94	Etp Kol
9. Gudiyatham	85	8	78	Kol Pdg
10. Godanagaram	105	10	104	Mng Sur
11. Kallpadi	70	6	81	Etp Kol
12. Karunegasamudram	126	10	125	Vpt Mng
13. Kilpatti	73	6	94	Pdg Kol
14. Kothakppam	97	18	268	Pdg
15. Kondasamuram	92	8	95	Kol Mng
16. Kalithigai	76	8	170	Pdg
17. Melmottukuor	95	14	64	Vpt
18. Modikuppam	94	7	84	Mng Kol
19. Mungapattu	85	7	115	Mng Pdg
20. Mukundram	98	8	134	Kol
21. Melalathur	98	8	118	Mng Pdg

(1)	(2)	(3)	(4)	(5)
22. Nellorepettai	91	7	120	Vpt Kol
23. Pakkam	107	12	277	Kol Mng
24. Paratharami	95	9	90	Mng Vpt
25. Pangarishikuppam	102	7	74	Vpt Mng
26. Perumbadi	83	12	58	Mng Pdg
27. Pitochanur	62	19	108	Kol Mng
28. Puthuvarpalli	99	10	169	Mng Etp
29. Pattu	79	7	108	Pdg Vpt
30. Ramalai	102	6	112	Kol Mng
31. Rajakuppam	79	9	97	Vpt Mng
32. Rangasamudram	103	9	144	Mng Kol
33. Senthukarai	105	8	130	Kol Mng
34. Seruvanki	91	8	133	Mng Pdg
35. Sembedu	105	10	106	Mng Vpt
36. Singalpadi	90	8	90	Mng Vpt
37. Seevur	87	5	99	Kol Etp
38. Thalayatham	84	9	108	Kol Mng
39. Thattimangapalli	95	9	127	Cpm Mng
40. Thattaparai	89	10	70	Mng Pdg
41. Ulli	88	7	94	Mng Pdg
42. Varadhareddipalli	98	13	206	Mng Vpt
43. Valathur	88	8	92	Kol Pdg
44. Veerachettipalli	90	10	167	Kol Mng
KATPADI BLOCK				
45. Ammundi	91	8	83	Mng Kol
46. Arumparuthi	97	14	78	Sur Mng
47. Athur	85	9	130	Sur Mng
48. Brammapuram	89	7	114	Etp Kol

(1)	(2)	(3)	(4)	(5)
49. Gugaianallur	101	2	80	Etp Vpt
50. Jobraipet	90	9	83	Mng Kol
51. Kazhinju	76	9	112	Etp Kol
52. Kandipedu	97	14	115	Etp Kol
53. Kangeyanellore	79	10	176	Cpm Etp
54. Kammarajapuram	70	12	125	Cpm
55. Karigiri	89	9	88	Etp Kol
56. Karanampet	95	7	81	Etp Kol
57. Katpadi	115	8	180	Etp Kol
58. Karasamangalam	55	8	118	Pdg Ppm
59. Kilmoottugur	101	11	73	Etp Kol
60. Mukunthapuram	90	9	101	Kol Sur
61. Sammbarayanallore	88	10	122	Etp Kol
62. Sevir	99	9	136	Kol Etp
63. Serkadu	71	16	101	Etp Kol
64. Senur	87	8	150	Vpt Etp
65. Tharapadavedu	74	16	138	Etp Kol
66. Thalayarampattu	86	8	260	Mng Kol
67. T.Krishnapuram	63	11	120	Mng
68. Thiruvalam	81	13	130	Etp Kol
69. Vandranthangal	97	8	92	Etp Sur
70. Vanjur	99	8	113	Sur Mng
71. Viruthampattu	97	9	83	Etp Kol
K.V. KUPPAM BLOCK				
72. Annagudi	88	10	136	Etp Kol
73. Alanganeri	76	8	88	Kol Cpm
74. Ammanakuppam	101	8	138	Kol Cpm
75. Arumpakkam	84	8	115	Kol Etp
76. Chengi	64	10	141	Kol Etp

(1)	(2)	(3)	(4)	(5)
77. Chennakuppam	75	9	11	Kol Cpm
78. Chttuvandai	141	17	484	Kol Cpm
79. Devarishikuppam	95	8	141	Kol Mng
80. D.P. palayam	80	10	100	Mng Etp
81. Kalampattu	95	7	81	Mng Etp
82. K.V. Kuppam	74	6	97	Etp Kol
83. Kavanoor	75	14	174	Mng Cpm
84. Kilalathur	82	8	126	Kol Cpm
85. Kelur	86	20	69	Mng PdG
86. Keelvilachur	85	6	91	Mng Etp
87. Keelvilachur	83	12	119	Mng Etp
88. Machanoor	62	9	97	Etp Cpm
89. Maniyambattu	73	7	91	Mng Cpt
90. Melur	71	20	106	Mng PdG
91. Melmankuppam	75	9	235	Mng Kol
92. Murugambattu	69	8	66	Kol Mng
93. Nagal	108	8	123	Kol Xpm
94. Netteri	92	7	100	Kol Cpm
95. Panapadangi	85	9	154	Kol Cpm
96. P.K. Puram	85	13	148	Kol Cpm
97. Pasumathur	94	8	110	Vpt PdG
98. Pllanthipattu	90	5	66	Vpt PdG
99. Sozhamur	96	8	119	Mng PdG
100. Thondanthulasi	75	9	110	Etp Kol
101. Thirumani	58	10	144	Mng Etp
102. Thuthithangal	115	12	307	Etp Mng
103. Uyhaiyathur	70	9	292	Mng Vpt
104. Vadavirinchipuram	70	12	185	PdG Ppm
105. Vaduthangal	75	19	150	Ept Kol

(1)	(2)	(3)	(4)	(5)
106. Vazhankundram	112	8	212	Mng Etp
107. Valayambattu	90	9	92	Mng Kol
108. Veppaneri	70	8	139	Etp Kol
109. Veppur	73	7	110	Kol Cpm
110. Vizhuthangal	81	9	97	Mng Kol
PERNAMBUT BLOCK				
111. Ayathampattu	101	8	139	Mng Pdg
112. Aravattla	89	7	151	mng Kol
113. Azinjikuppam	105	7	109	Pdg
114. Arangaldurgam	99	6	118	Kol Vpt
115. Bethapalli	87	7	98	Mng Kol
116. Chinnapallikuppam	89	10	123	Mng
117. Chockarishikuppam	102	8	129	mng Pdg
118. Chinnathamalcheru	91	8	117	Kol Mng
119. Chinnavarigam	106	10	148	Mng Vpt
120. Devalapuram	82	5	137	Pdg Mng
121. Erikutti	88	8	122	Mng Kol
122. Erakkampattu	92	9	126	Vpt Kol
123. Karikur	95	7	111	Mng Vpt
124. Kammasamudram	87	10	53	Mng Vpt
125. Karumbur	93	12	170	Mng Sur
126. Kailasagiri	90	8	98	Kol Vpt
127. Kollakuppam	90	13	143	Mng Sur
128. Kothamarikupopam	128	10	204	Mng Vpt
129. Kothur	105	9	141	Mng Kol
130. Kottapali	93	9	134	Mng Kol
131. Kumaramangalam	88	10	114	Mng Kol
132. Kondapalli	89	10	125	Vpt Mng
133. Kuppampalayam	87	19	116	Mng Vpt
134. Kuppaiyankottai	91	18	124	Vpt Mng

(1)	(2)	(3)	(4)	(5)
135. Madanacheri	98	10	160	Kol Etp
136. Malayampattu	99	14	101	Etp Cpm
137. Masigam	116	9	112	Kol Pdg
138. Melpatti	105	7	155	Pdg Mng
139. Mittalam	82	12	138	Mng Vpt
140. Morasapalli	105	7	255	Mng Vpt
141. Morthana	95	12	121	Mng Ppm
142. M.V. Kuppam	98	7	89	Pdg Mng
143. Nariyampattu	92	12	260	Mng Ppm
144. pachampattu	102	10	122	Kol Pdg
145. Pallalakuppam	86	4	128	Mng Vpt
146. Pallikuttai	96	14	197	Mng Kol
147. Palur	108	11	122	Mng Kol
148. Payammamkuppam	101	6	91	Mng Vpt
149. Paravakkal	81	6	111	Vpt Mng
150. Pernambut	80	10	130	Kol Etp
151. parsaapalli	8	6	140	Mng Vpt
152. Pogalur	92	10	115	Mng Vpt
153. Periakommeswaram	90	6	114	Mng Kol
154. Rajakkal	105	8	107	Mng Sur
155. Sanankuppam	88	12	361	Kol Mng
156. Sendathur	88	5	500	Mng pdg
157. Thennampattu	72	9	113	Mng Kol
158. T.T. Mottu	82	10	129	Mng Kol
159. Thuthipattu	95	8	102	Ppm Pdg
160. uthiyendram	94	11	128	Sur Pdg
161. Vadakathipatti	75	12	141	Mng Vpt
162. Vadapudupet	101	9	110	Vpt Sur
163. Venkatarapuram	93	9	98	Vpt Mng

LAND CAPABILITY

GUDIYATHAM TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
39,766	II e	Mangalathupatty Kolathur	Erosion surface run-off topography	Soil conservation
8,524	II s	Chickarasampalayam Arsanatham	Salinity	Soil reclamation
2,412	II ws	Suramangalam	Wetness salinity	Improving drainage selection of crops
8,091	III e	Ethapur	Erosion	Soil conservation
1,407	III es	Vannapatti	Erosion shallow depth	Soil conservation

Class

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

Sub class

- e** erosion and run off
- s** root zone limitation
- w** wetness

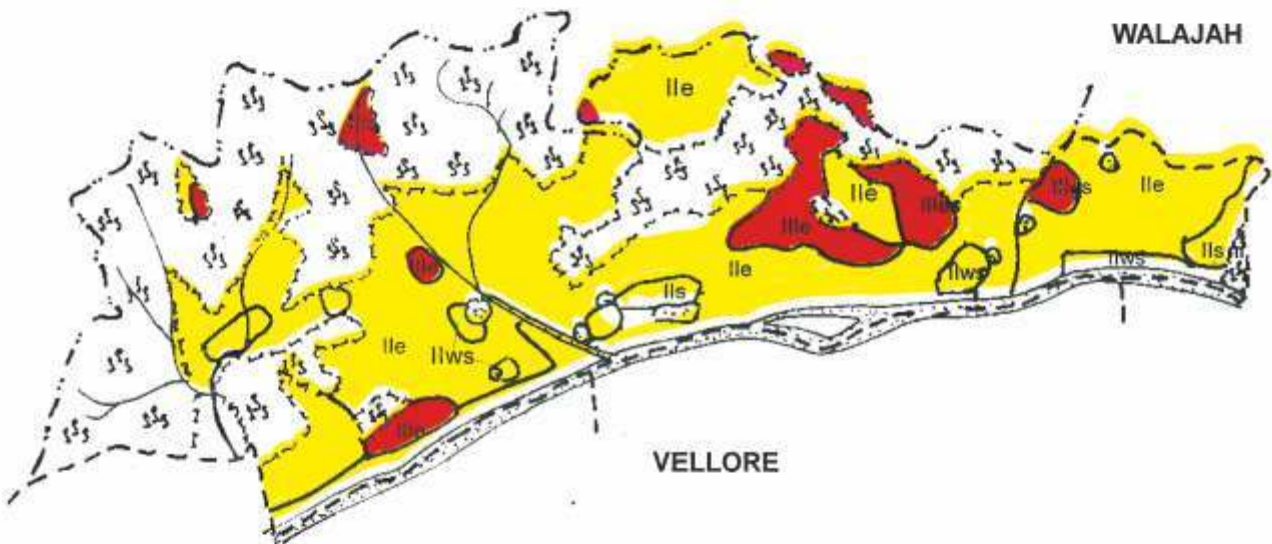
LAND CAPABILITY

GUDIYATHAM TALUK







ANDHRA PRADESH

WALAJAH





VELLORE

REFERENCE

-  State boundary
-  Taluk boundary
-  Forest boundary
-  River & Gully

LEGEND

CLASS

-  GOOD CULTIVABLE LAND
-  MODERATELY GOOD CULTIVABLE LAND

SUB CLASS

- e - EROSION & RUNOFF
- s - SOIL LIMITATION
- w - WETNESS

LAND IRRIGABILITY

GUDIYATHAM TALUK

Area (ha)	Land irrigability classification	Soil series	Limitations
39,766	2 t	Mangalathupatty Kolathur	Run off topography
4,812	2 s	Chickarasampalayam	Salinity
10,887	2 ds	Suramangalam Arsanatham Padugai	Flood, stratification alkalinity
1,407	3 s	Vannapatti	Shallow depth low water holding coarse capacity fragments
8,091	3 t	Ethapur	Topography erosion

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

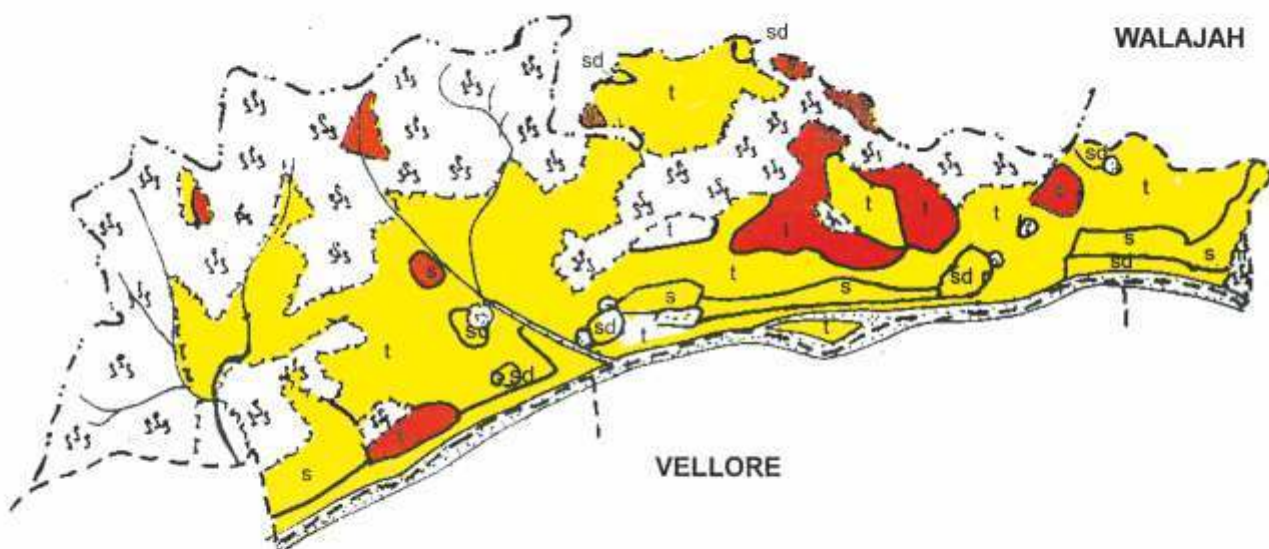
LAND IRRIGABILITY

GUDIYATHAM TALUK







ANDHRA PRADESH

WALAJAH





VELLORE

REFERENCE

-  State boundary
-  Taluk boundary
-  Forest boundary
-  River & Gully

LEGEND

CLASS

-  SEVERE LIMITATIONS
-  MODERATE LIMITATIONS

SUB CLASS

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

SOIL PRODUCTIVITY

GUDIYATHAM TALUK

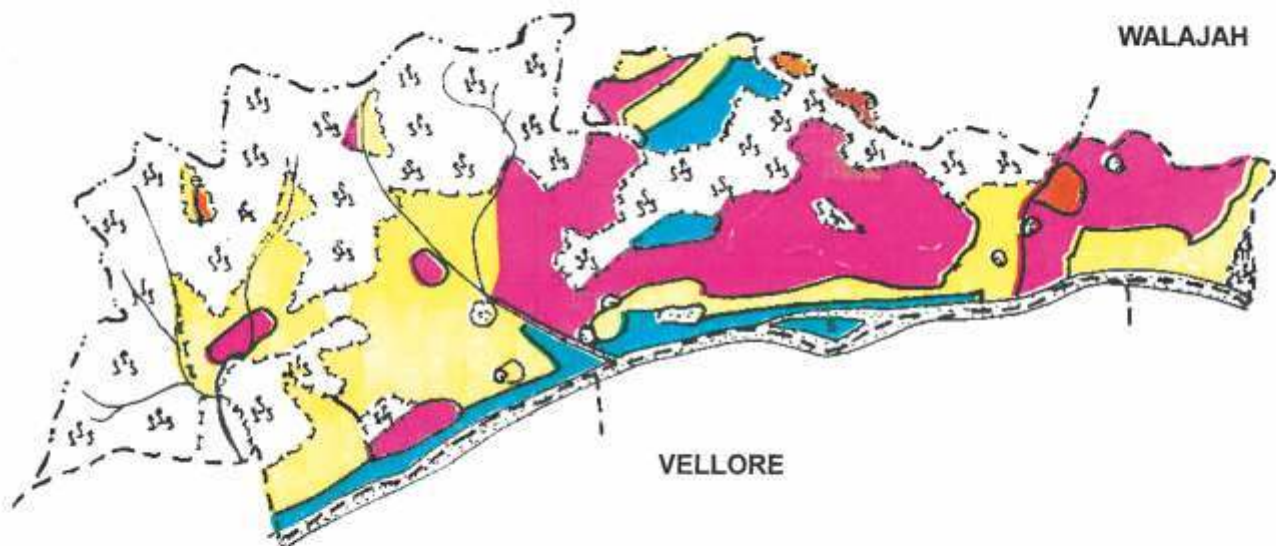
Area (ha)	Productivity		Soil series
	Rating	Grouping	
1,407	0 - 7	Extremely poor	Vannapatti
4,763	8 - 19	Poor	Padugai
32,842	20 - 34	Average	Mangalathupatty Arsanatham Suramangalam Chickarasampalayam
25,951	35 - 64	Good	Kolathur Ethapur

SOIL PRODUCTIVITY GUDIYATHAM TALUK







ANDHRA PRADESH

WALAJAH







VELLORE

REFERENCE

-  State boundary
-  Taluk boundary
-  Forest boundary
-  River & Gully

LEGEND

-  1
-  2
-  3
-  4

CROPS GROWN

GUDIYATHAM TALUK

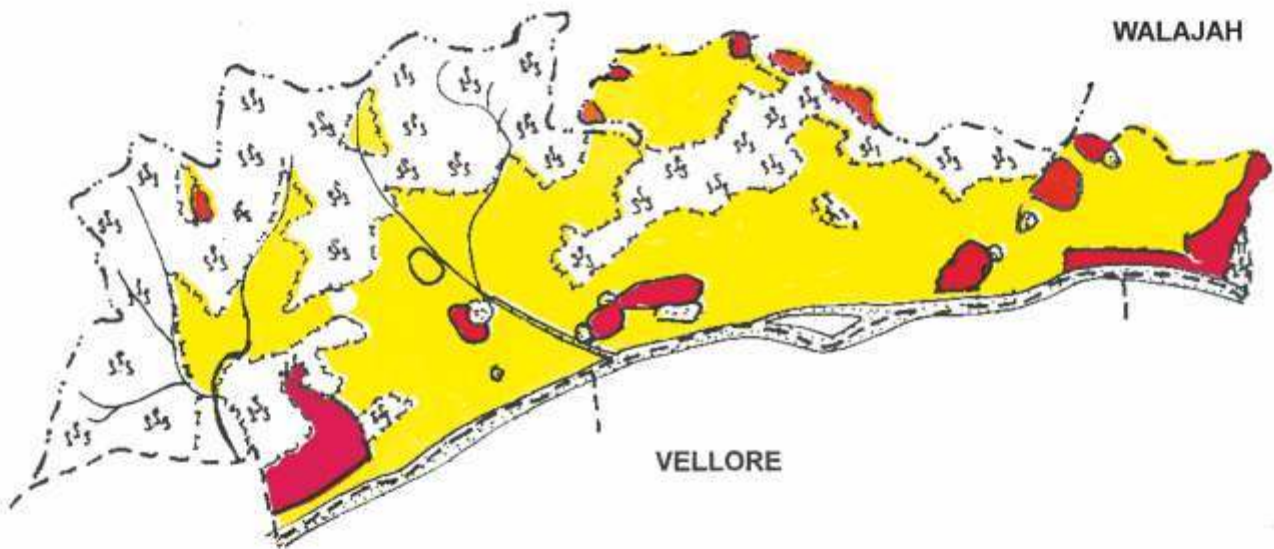
Map symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Vannapatti	Groundnut Millets Pulses Gengelly	Groundnut Paddy Pulses
2	Mangalathupatty Kolathur Kadambadi Ethapur Padugai	Groundnut Millets Pulses Gingelly Mango	Groundnut Paddy Sugarcane Pulses Millets Vegetables Banana Coconut
3	Suramangalam Arsanatham Chickarasampalayam	Pulses	Sugarcane Paddy Pulses Millets Banana Vegetables Coconut

CROPS GROWN GUDIYATHAM TALUK







ANDHRA PRADESH

WALAJAH






VELLORE

REFERENCE

-  State boundary
-  Taluk boundary
-  Forest boundary
-  River & Gully

LEGEND

-  1
-  2
-  2

SOILS

TIRUPATHUR TALUK

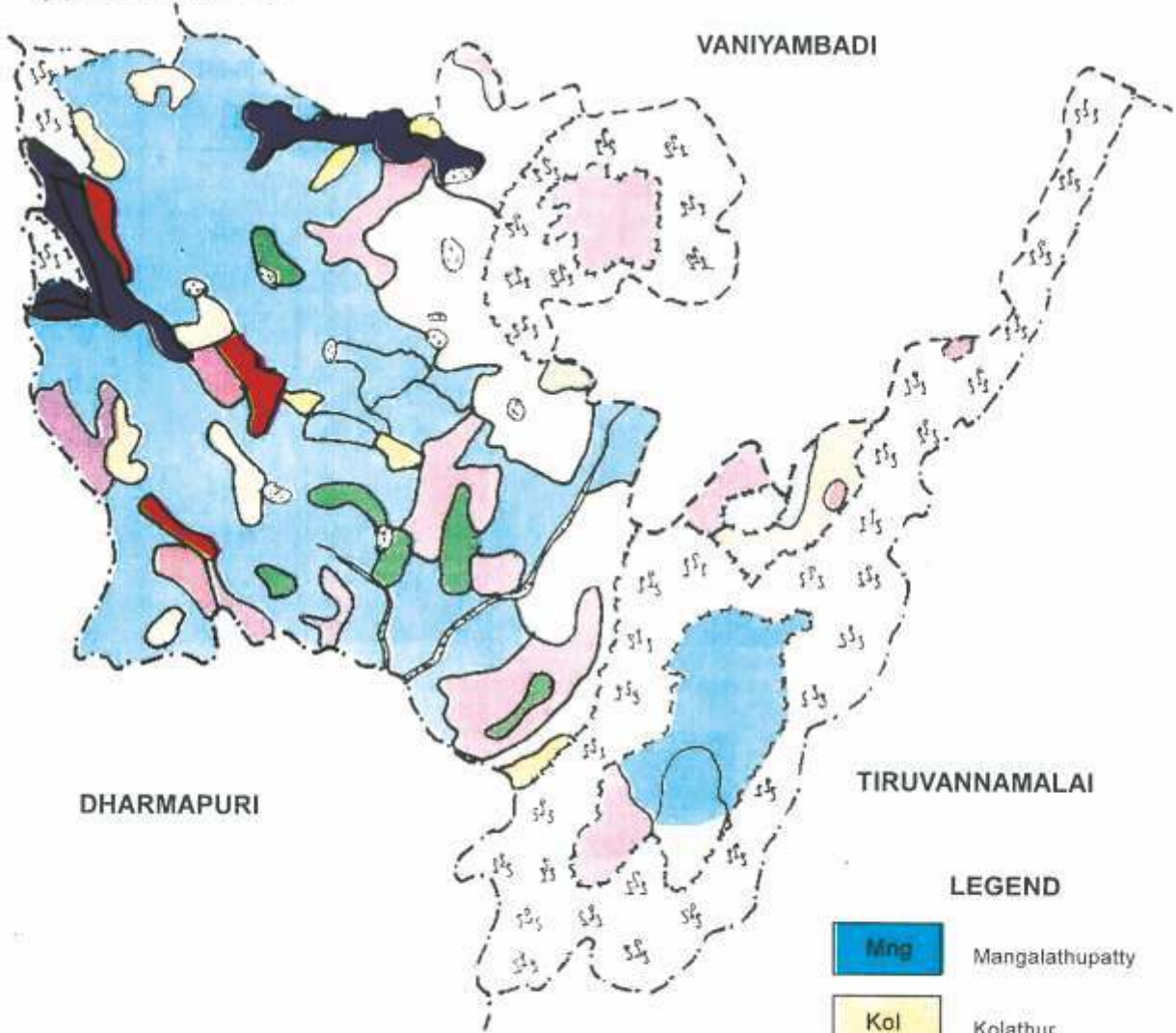
Soil series	Symbol	Extent	
		ha	%
1. Mangalathupatty	Mng	28,352	25.06
2. Kolathur	Kol	17,667	15.62
3. Ethapur	Etp	6,696	5.92
4. Mailam	Mlm	3,426	3.03
5. Vannapatti	Vpt	2,212	1.96
6. Suramangalam	Sur	1,769	1.57
7. Padugai	Pdg	850	0.75
8. Chickarasampalayam	Cpm	528	0.46
9. Idayapatti	Idp	225	0.20
10. Forest and others	—	51,386	45.43
Total		1,13,111	100.00

SOILS TIRUPATHUR TALUK



ANDHRA PRADESH

VANIYAMBADI



DHARMAPURI

TIRUVANNAMALAI

REFERENCE

- State boundary
- District boundary
- Taluk boundary
- Forest boundary
- Soil boundary

LEGEND

Mng	Mangalathupatty
Kol	Kolathur
Etp	Ethapur
Sur	Suramangalam
Vpt	Vannapatti
Mlm	Mailam
Pdg	Padugai
Cpm	Chickarasampalayam
Idp	Idyapatti

VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

TIRUPATHUR TALUK

Name of the village	Fertility status (kg/ac)			Dominant soil series
	Nitrogen	Phosphorus	Potassium	
(1)	(2)	(3)	(4)	(5)
JOLARPET BLOCK				
1. Agaraharam	103	10	102	Mng Etp
2. Ammankovil	97	10	107	Mng Sur
3. Chinnakallupalli	108	10	123	Mng Vpt
4. Chinnakammampattu	114	10	88	Mng Vpt
5. Chinnamukkanur	90	13	126	Mry Sur
6. Chinnamottur	81	9	161	Mng Vpt
7. Chinnaveppampattu	73	10	311	Mng Vpt
8. Elagiri	75	15	184	Kol Sur
9. Elagiri hills	78	9	127	Etp Kol
10. Elayanpatti	96	9	158	Mng Kol
11. Jolarpet	87	10	141	Sur Mng
12. kalnarsanpatti	88	9	155	Mng Etp
13. Katteri	100	9	106	Mng Vpt
14. Kaveripattu	81	11	127	Mry Vpt
15. Keelkothur	90	8	98	Kol Mng
16. Konapattu	94	12	132	Kol Mry
17. Kumaramangalam	95	8	111	Mng Sur
18. Kothandakuppam	98	11	113	Mng Sur
19. Kothandapatti	79	9	103	Mng Sur
20. Mallapalli	92	10	128	Mng Vpt
21. Nandalavadi	90	13	126	Mng Vpt
22. Nekkundhi	93	9	133	Mng Vpt
23. Pachal	106	8	120	Kol Mng
24. paniyandapatti	102	9	125	Mng Vpt
25. Periakammampattu	91	13	143	Mng Mlm
26. Periamottu	92	11	94	Mng Vpt

(1)	(2)	(3)	(4)	(5)
27. Pethakallupalli	97	10	138	Kol Mng
28. Pooneri	90	10	125	Mng Etp
29. Pulleri	95	11	125	Mng Sur
30. Puthagaram	91	16	114	Mng Pdg
31. Rddlyur	89	99	76	Mng Vpt
32. Sommaickenpatti	106	11	323	Mng Kol
33. Thiriyalam	95	9	130	Mng Sur
34. Vedapattu	84	15	121	Mng Sur
35. Velakkalnatham	89	8	185	Mng Vpt
KANDILI BLOCK				
36. Adayanur	82	10	156	Mng Etp
37. Avalnaickenpatti	92	7	225	Mng Vpt
38. Chimmanapudur	94	8	107	Mng Etp
39. Chinnakanadili	97	13	226	Mng Vpt
40. Chinnakanakapatti	88	11	136	Mng Vpt
41. Chokkalampatti	56	11	221	Mng Vpt
42. Chinnarampatti	65	9	146	Mng Kol
43. Erampatti	87	10	129	Mng Vpt
44. Elavampatti	96	9	157	Sur Idp
45. Gummudigampalli	87	10	129	Mng Vpt
46. Kandili	93	8	239	Mng Vpt
47. Kargalpatti	100	12	105	Mng Kol
48. Kizhakkupathanavadi	94	11	103	Etp Mng
49. Kakkankarai	108	10	131	Mng Kol
50. Koatti	108	10	131	Mng Kol
51. Kurinchi	98	9	120	Mng Vpt
52. Kurumberi	100	10	121	Etp Sur
53. Kukkinaickenpatti	96	9	121	Mng Vpt
54. M.N. Gunta	101	8	135	Mng Vpt
55. Murukkeri	87	10	115	Mng Kol
56. Muthampatti	85	10	113	Mng Kol
57. Mulagampatti	80	10	260	Mng Kol
58. Natham	90	14	161	Mng Kol
59. Puthupatti	86	11	110	Mng Vpt

(1)	(2)	(3)	(4)	(5)
60. Perambatti	100	9	120	Mng Kol
61. Periakanalapatti	27	9	150	Mng Vpt
62. Sevathur	98	9	398	Mng Kol
63. Pallipattu	82	12	102	Mng Kol
64. Sundarampalli	87	15	156	Mng Vpt
65. T.Krishnapurampatti	84	10	126	Kol Mng
66. Thokkiam	91	12	145	Mng Vpt
67. Vishmangalam	105	9	103	Mng Kol
68. Vengilipuram	118	5	112	Mng Kol
NATRAMPALLI BLOCK				
69. Athurkuppam	93	10	115	Mng Sur
70. Ambalur	96	10	124	Cpm Mng
71. Alasanthala	153	16	126	Cpm Pdg
72. Bandarapalli	98	10	112	Mng Mlm
73. Chickkanakuppam	101	10	102	Vpt Mng
74. Chimmukkampattu	97	9	202	Vpt Anm
75. Kollapalli	41	4	121	Anm Vpd
76. Godugumanipattadai	99	7	99	Pdg
77. Javajiramasamudram	90	8	101	Anm Vpt
78. Katteri	104	8	105	Vpt Mng
79. Kavukkapattu	96	13	89	Vpt Pdg
80. Gurubhavanigunta	101	5	110	Mlm Pdg
81. Kothapalli	95	6	107	Vpt Mnm
82. Kothur	96	7	84	Mlm Anm
83. Mallagunta	93	10	115	Mng Mlm
84. Mallakuppam	87	113	133	Vpt Mng
85. Mittur Andiappanur	85	17	148	Mng Vpt
86. Nayanacheruvur	87	9	147	Kbd Ppm
87. Natrampalli	189	19	87	Mng SAur
88. Patohur	99	10	119	Mng Vpt
89. Puliur	92	7	172	Cpm Mng
90. Ramanaickenpatti	93	10	96	Anm Mlm
91. Sorikkayalnatham	80	7	85	Vpt Mng
92. Thekkupattu	84	3	194	Mng Vpt

(1)	(2)	(3)	(4)	(5)
93. Thimmampettai	88	9	132	Pdg Anm
94. Thumberi	102	10	118	Mng Anm
95. Vadakkupattrai	90	18	150	Pdg Mng
96. Venkatarajapuram	77	10	281	Kbd Sur
97. Ananthapatti	89	9	112	Mng Kol
98. Aneri	145	6	97	Mng Kol
99. Achamangalam	134	13	136	Mng Kol
100. Agaram	98	13	132	Mng Etp
101. A.K. Mottur	75	9	82	Mng Vpt
102. Athurkuppam	95	8	112	Mng Mlm
103. Andiappanur	71	6	173	Kol Mng
104. Balamankuppam	87	13	133	Mng Vpt
105. Chinnasamudram	80	12	235	Mng Cpm
106. Erunampattu	62	8	98	Kol Vpt
107. Kathirampadi	78	12	112	Mng Kol
108. Kathirimangalam	58	10	97	Mng Etp
109. Kakkanapalayam	95	8	117	Mng Etp
110. Karuppanur	88	9	126	Mng Sur
111. Kurusilapattu	105	11	113	Kol Etp
112. Madappalli	97	15	214	Idp Mng
113. Marimanikuppam	80	9	135	Mng Kol
114. Mittur	144	19	203	Kol Mng
115. Nalinampattu	99	9	210	Kol Mng
116. Melachamangalam	91	6	112	Kol Mng
117. Navithampattu	85	10	110	Mng Kol
118. Pallavalli	35	8	128	Mng Etp
119. Perumapattu	76	8	106	Mng Kol
120. Poongulam	99	9	124	Mng Cpm
121. Pudukottai	106	17	173	Mng Kol
122. Rochamangalam	107	5	106	Kol Etp
123. Reddivalachai	60	7	120	Mng Etp
124. Sorikuppam	101	13	117	Mng Kol
125. Sowdakuppam	93	9	195	Mng Vpt
126. Selanthampalli	92	8	133	Kol Mng
127. Thamaruvalachai	63	8	112	Mng Vpt
128. Tirupathur	76	7	109	Sur Mng
129. Thimmamathur	99	9	122	Sur Mng
130. Vengayapalli	50	6	81	Mng Vpt
131. Zamunapudur	89	16	108	Kol Mng

LAND CAPABILITY

THIRUPATHUR TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
46,869	II e	Mangalathupatty Kolathur Padugai	Erosion surface run-off topography	Soil conservation
528	II s	Chickarasampalayam	Salinity	Soil reclamation
1,769	II ws	Suramangalam	Wetness salinity	Improving drainage selection of crops
225	III s	Idayapatti	Alkalinity cracks	Soil reclamation
6,696	III e	Ethapur	Erosion	Soil conservation
5,638	III es	Vannapatti Mailam	Erosion shallow depth	Soil conservation

Class

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

Sub class

- e** erosion and run off
- s** root zone limitaiton
- w** wetness

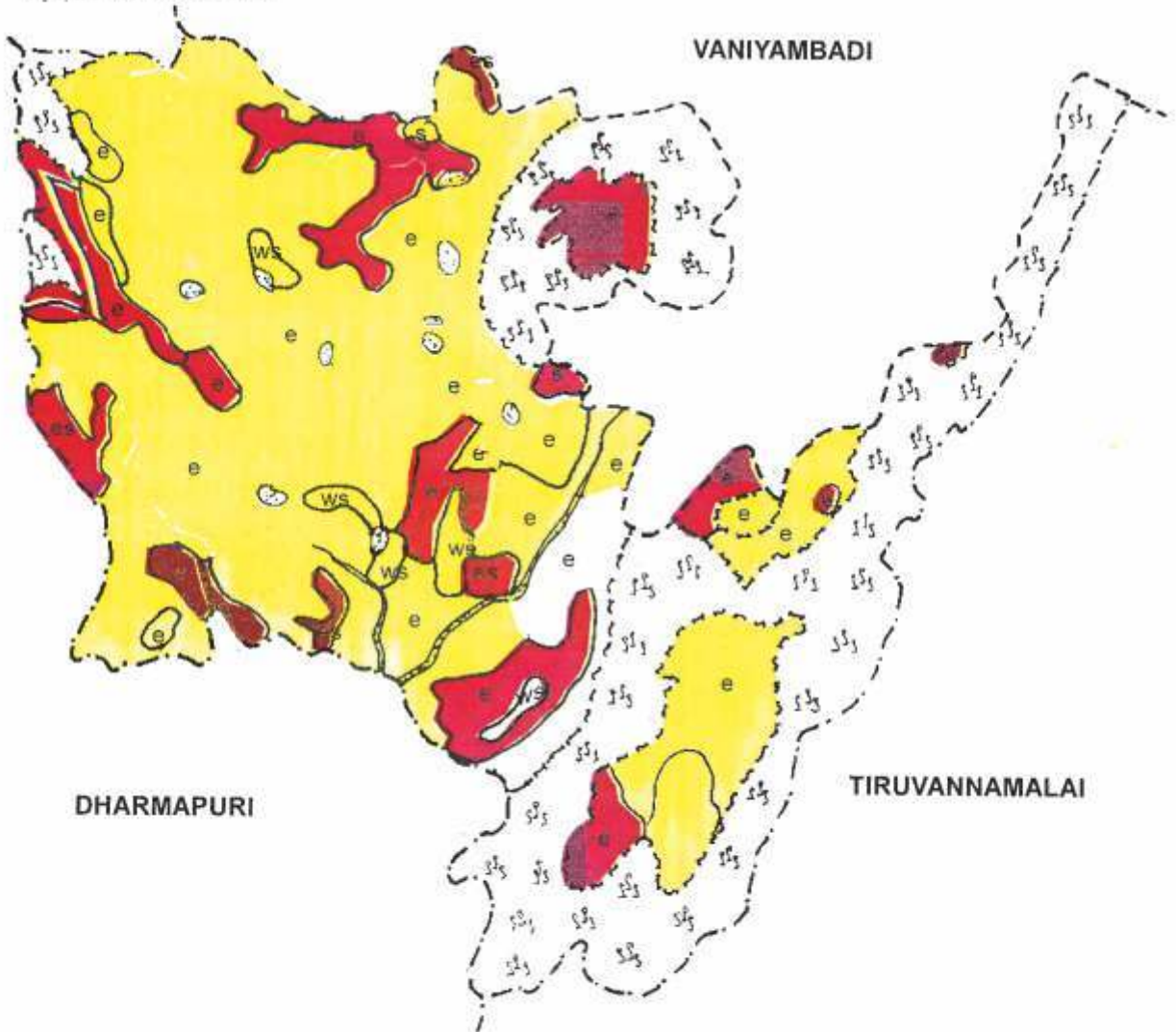
LAND CAPABILITY

TIRUPATHUR TALUK



ANDHRA PRADESH

VANIYAMBADI



DHARMAPURI

TIRUVANNAMALAI

REFERENCE

- State boundary
- District boundary
- Taluk boundary
- Forest boundary
- River & Gully

LEGEND

CLASS

- Good cultivable lands
- Moderately good cultivable lands

SUB CLASS

- e - EROSION & RUNOFF
- s - SOIL LIMITATION
- w - WETNESS

LAND IRRIGABILITY

TIRUPATHUR TALUK

Area (ha)	Land irrigability classification	Soil series	Limitations
46,199	2 t	Mangalathupatty Kolathur	Run off topography
528	2 s	Chickarasampalayam	Salinity
2,619	2 ds	Suramangalam Padugai	Alkalinity Flood, stratification
5,638	3 s	Vannapatti Mailam	Shallow depth low water holding capacity coarse fragments
6,696	3 t	Ethapur	Topography erosion
225	3 sd	Idayapatty	Alkalinity slow permeability

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 limitation
- t** topography
- d** drainage

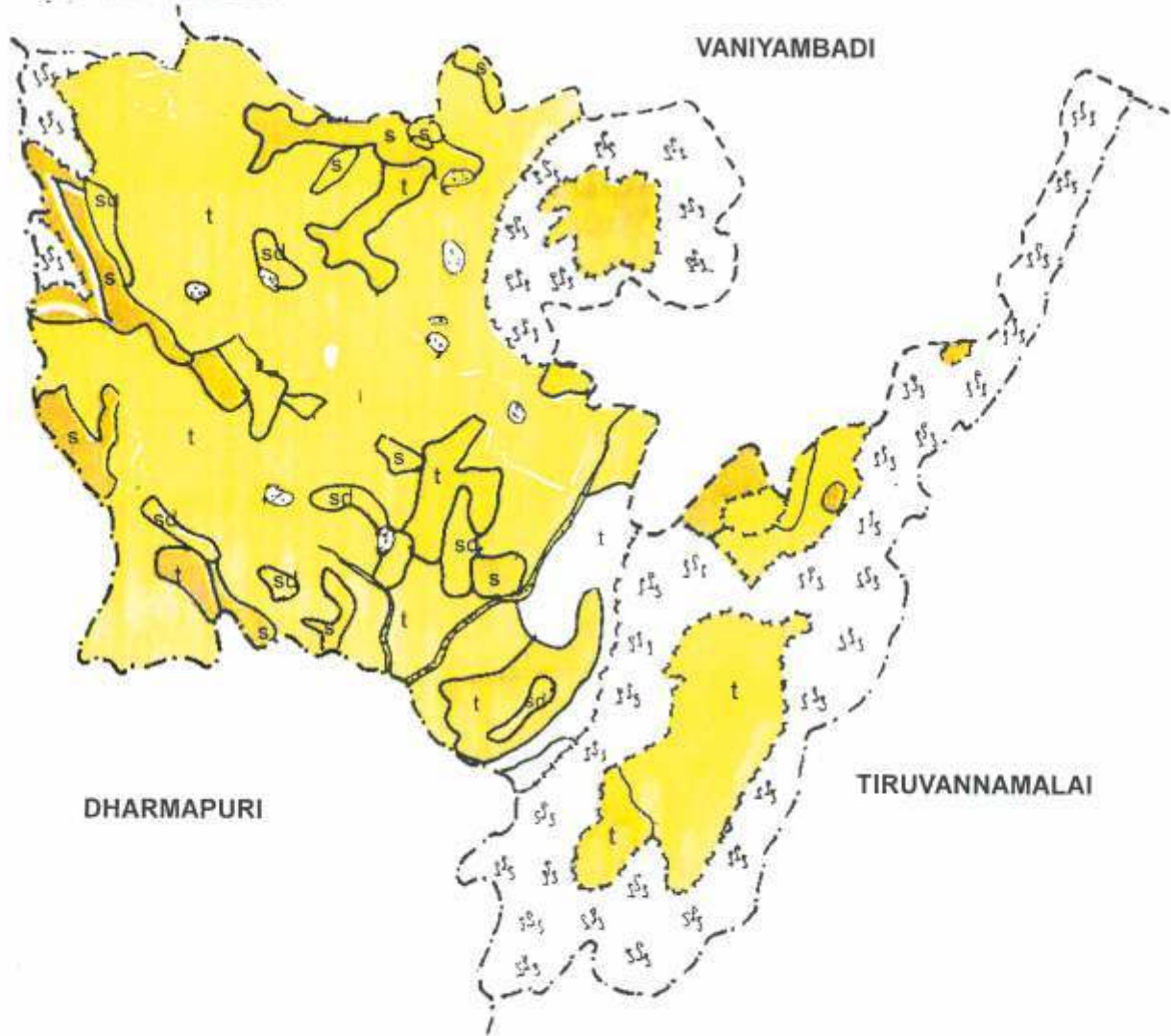


LAND IRRIGABILITY

TIRUPATHUR TALUK

ANDHRA PRADESH


VANIYAMBADI



DHARMAPURI

TIRUVANNAMALAI

REFERENCE

- State boundary
- District boundary
- - - - - Taluk boundary
- Forest boundary
-  River & Gully

LEGEND

CLASS

-  Severe limitations
-  Moderate limitations

SUB CLASS

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

SOIL PRODUCTIVITY

TIRUPATHUR TALUK

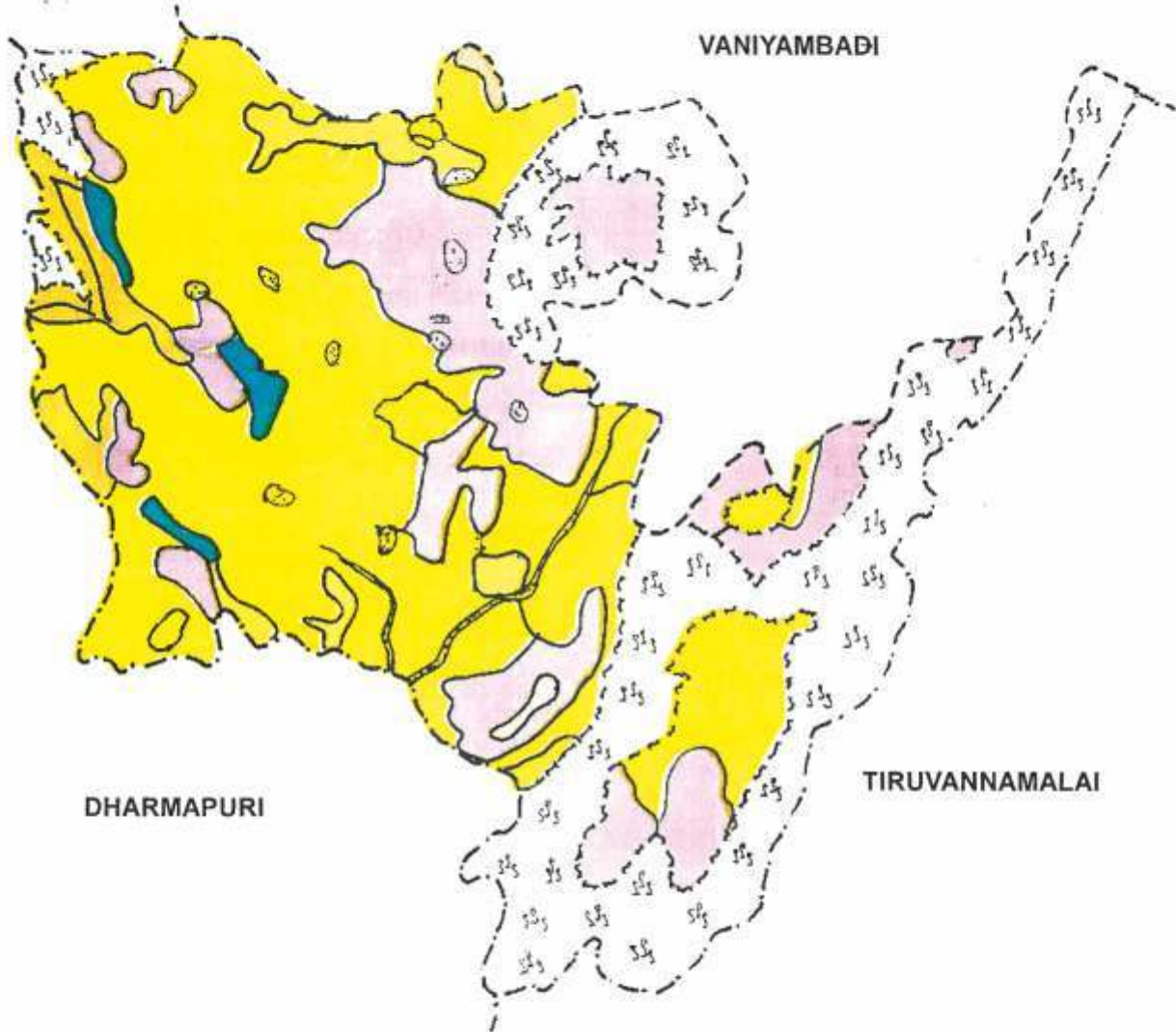
Area (ha)	Productivity		Soil series
	Rating	Grouping	
5,638	0 - 7	Extremely poor	Vannapatti Mailam
850	8 - 19	Poor	Padugai
30,874	20 - 34	Average	Mangalathupatty Suramangalam Chickarasampalayam Idayapatty
24,363	35 - 64	Good	Kolathur Ethapur

SOIL PRODUCTIVITY TIRUPATHUR TALUK



ANDHRA PRADESH






VANIYAMBADI



DHARMAPURI

TIRUVANNAMALAI

REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  Forest boundary
-  River & Gully

LEGEND

-  GOOD
-  AVERAGE
-  POOR
-  EXTREMELY POOR

CROPS GROWN

TIRUPATHUR TALUK

Map symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Vannapatti Mailam	Groundnut Millets Pulses	Paddy Groundnut Sugarcane Pulses
2	Mangalathupatty Kolathur Ethapur Padugai	Groundnut Millets Pulses	Paddy Groundnut Sugarcane Pulses Banana Vegetables Flowers Coconut Cotton
3	Suramangalam Idayapatty Chickarasampalayam	Pulses Millets	Sugarcane Paddy Millets Pulses Banana Vegetables Coconut Cotton

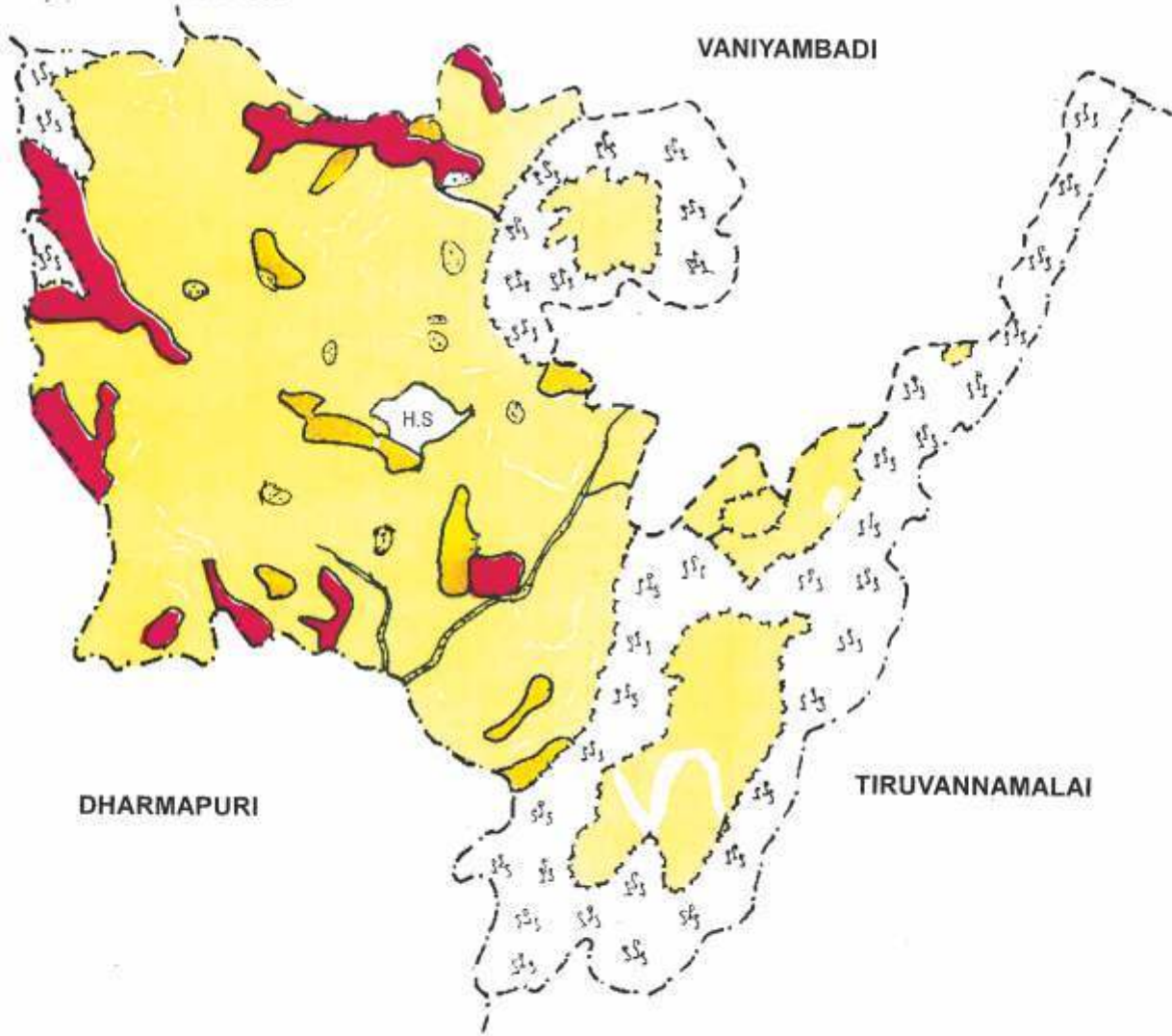
CROPS GROWN

TIRUPATHUR TALUK



ANDHRA PRADESH

VANIYAMBADI






DHARMAPURI

TIRUVANNAMALAI

REFERENCE

- State boundary
- District boundary
- Taluk boundary
- Forest boundary
-  River & Gully

LEGEND

-  1
-  2
-  3

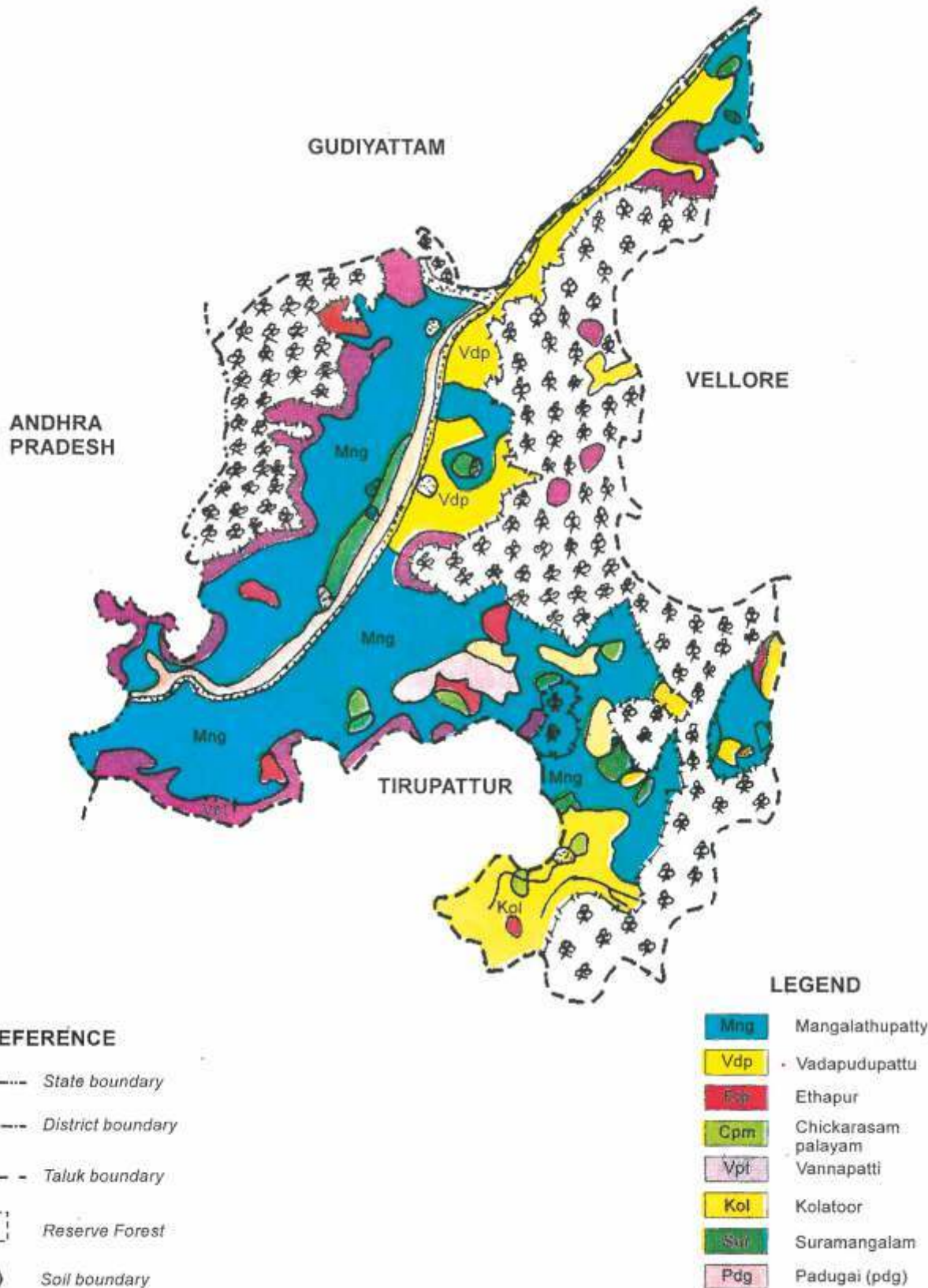
SOILS

VANIYAMBADI TALUK

Soil series	Symbol	Extent	
		(ha)	%
1. Mangalathupatty	Mng	25,120	29.90
2. Vannapatti	Vpt	8,675	10.33
3. Vadapudupattu	Vpd	7,953	9.47
4. Kolathur	Kol	6,180	7.36
5. Ethapur	Etp	4,108	4.89
6. Padugai	Pdg	3,498	4.16
7. Suramangaiam	Sur	1,899	2.26
8. Chickarasampalayam	Cpm	1,318	1.57
9. Forest and others	—	25,256	30.06
Total		84,007	100.00

SOILS

VANIYAMBADI TALUK



Village wise fertility status and Soil series

VANIYAMBADI TALUK

Name of the Village (1)	Fertility status (kg / ac)			Dominant soil series (5)
	Nitrogen (2)	Phosphorus (3)	Potassium (4)	
ALANGAYAM BLOCK				
1. Amburpettai	80	6	89	Mng, Vpt
2. Chettiappanur	91	7	104	Kol, Mng
3. Devasthanam	102	7	118	Vpt, Mng
4. Elayanagaram	90	8	146	Vpt, Mng
5. Girisamudram	86	5	85	Kol, Vpt
6. Govindapuram	80	9	137	Mng, Vpt
7. Guruvarajapalayam	95	19	340	Mng, Vpt
8. Jabrapet	79	6	104	Mng, Kol
9. Kalandra	93	7	140	Vpt, Mng
10. Kanavaipudur	84	5	40	Vpt, Mng
11. Kothakottai	89	12	100	Vpd, Mng
12. Karapattu	75	12	124	Mng, Vpt
13. Katteri	93	8	118	Vpt, Mng
14. Melakuppam	88	8	153	Mng, Ppm
15. M.V. Kuppam	93	7	123	Mng, Vpd
16. Nimmiyampattu	146	10	132	Etp, Mng
17. Narasingapuram	69	5	100	Mng, Kol
18. Nakkanamalai	84	7	104	Mng, Vpt
19. Patchakuppam	77	13	108	Mng, Kol
20. Palavanchathukuppam	93	10	105	Kol, Vpt
21. Reddiyur	90	9	161	Mng, Vpt
22. Ramapuram	98	8	110	Kol, Mng
23. Tharazhi	82	14	115	Kol, Mng
24. Valayambattu	86	5	89	Mng, Vpt

(1)	(2)	(3)	(4)	(5)	
MADANUR BLOCK					
25.	Vadacheri	95	6	114	Sur, Pdg
26.	Vimalapuram	88	8	194	Sur, Pdg
27.	Vellakuttai	96	9	110	Mng, Etp
28.	Agaram	85	9	102	Mng, Kol
29.	Agaramcheri	73	9	136	Mng, Kol
30.	Agraharam	97	14	129	Mng, Kol
31.	Alangakuppam	85	8	116	Kol, Mng
32.	Arimalai	95	10	131	Mng, Kol
33.	Asanampet	73	9	130	Kol, Mng
34.	Chinnapallikuppam	80	8	107	Mng
35.	Goiiamangalam	98	8	137	Kol, Vpt
36.	Kilmurugai	86	4	161	Kol, Vpd
37.	Kuthampakkam	107	12	207	Mng, Kol
38.	Kuthampattu	88	12	99	Mng, Vpt
39.	Guruvarajapuram	79	6	110	Kol, Mng
40.	Mandalathotti	66	20	83	Mng, Sur
41.	Madanur	82	9	119	Mng, Pdg
42.	Melkothakuppam	95	7	113	Kol, Mng
43.	Melnimmiyampattu	86	7	111	Kol, Mng
44.	Melpallipattu	98	8	136	Kol, Mng
45.	Narianerikuppam	96	8	110	Kol, Mng
46.	Nedumpalayam	91	19	122	Kol, Mng
47.	Naickaneri	90	8	104	Mng, Kci
48.	Nacharkuppam	95	5	112	Mng, Kol
49.	Pallipattu	99	10	164	Kol, Mng
50.	Pallikuppam	81	8	129	Mng, Kol
51.	Pakkampalayam	100	9	129	Kol, Mng
52.	Periankuppam	82	16	147	Kol, Mng
53.	Ramanayanikuppam	98	11	131	Kol, Mng
54.	Sengilikuppam	85	13	195	Kol, Mng
55.	Saramangalam	97	8	105	Kol, Mng
56.	Somalapuram	77	7	114	Kol, Ppg
57.	Thottalam	78	10	150	Kol, Etp
58.	Thurinchikuppam	67	5	127	Kol, Vpt
59.	Vengili	98	9	128	Kol, Etp
60.	Ventapuram	90	7	84	Kol, Mng
61.	Vellakkal	94	9	124	Mng, Etp
62.	Veppamkuppam	80	8	129	Kol, Mng
63.	Vinnamangalam	85	10	135	Mng, Kol

LAND CAPABILITY

VANIYAMBADI TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
39,253	II e	Mangalathupatty, Kolathur, Vadapudupattu	Erosion, Surface run off, topography	Soil conservation
1,318	II s	Chickarasampalayam	Salinity	Soil reclamation
1,899	II ws	Suramangalam	Wetness, salinity	Improving drainage, selection of crops
4,108	III e	Ethapur	Erosion	Soil conservation
8,675	III es	Vannapatty	Erosion, shallow depth	Soil conservation

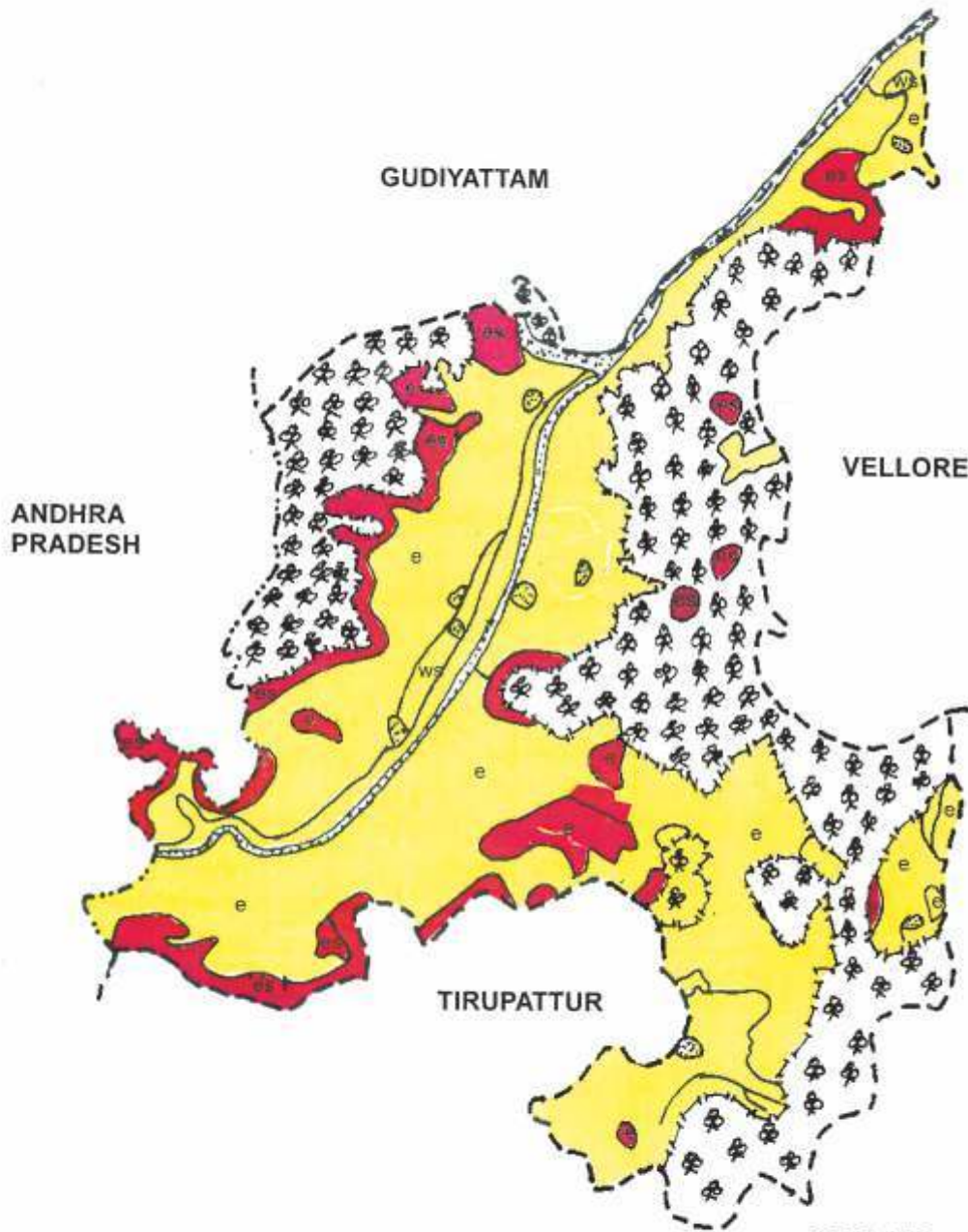
Class

- 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 runoff
- s** Root zone limitation
- w** Wetness

LAND CAPABILITY VANIYAMBADI TALUK





REFERENCE

-  State boundary
-  Taluk boundary
-  Forest boundary
-  River & Gully

LEGEND

CLASS

-  Good cultivable land
-  Moderately good cultivable lands

SUB CLASS

- e - EROSION & RUNOFF
- s - SOIL LIMITATION
- w - WETNESS

LAND IRRIGABILITY

VANIYAMBADI TALUK

Area (ha)	Irrigability classification	Soil series	Limitation
39,253	2 t	Mangalathupatty, Kolathur, Vadapudupattu	Run off, Topography
1,318	2 s	Chickarasampalayam	Salinity
5,397	2 ds	Suramangalam, Padugai	Flood, Stratification Alkalinity,
8,675	3 s	Vannapatti	Shallow depth Low water holding capacity, Coarse fragments
4,108	3 st	Ethapur	Topography, Erosion

Class

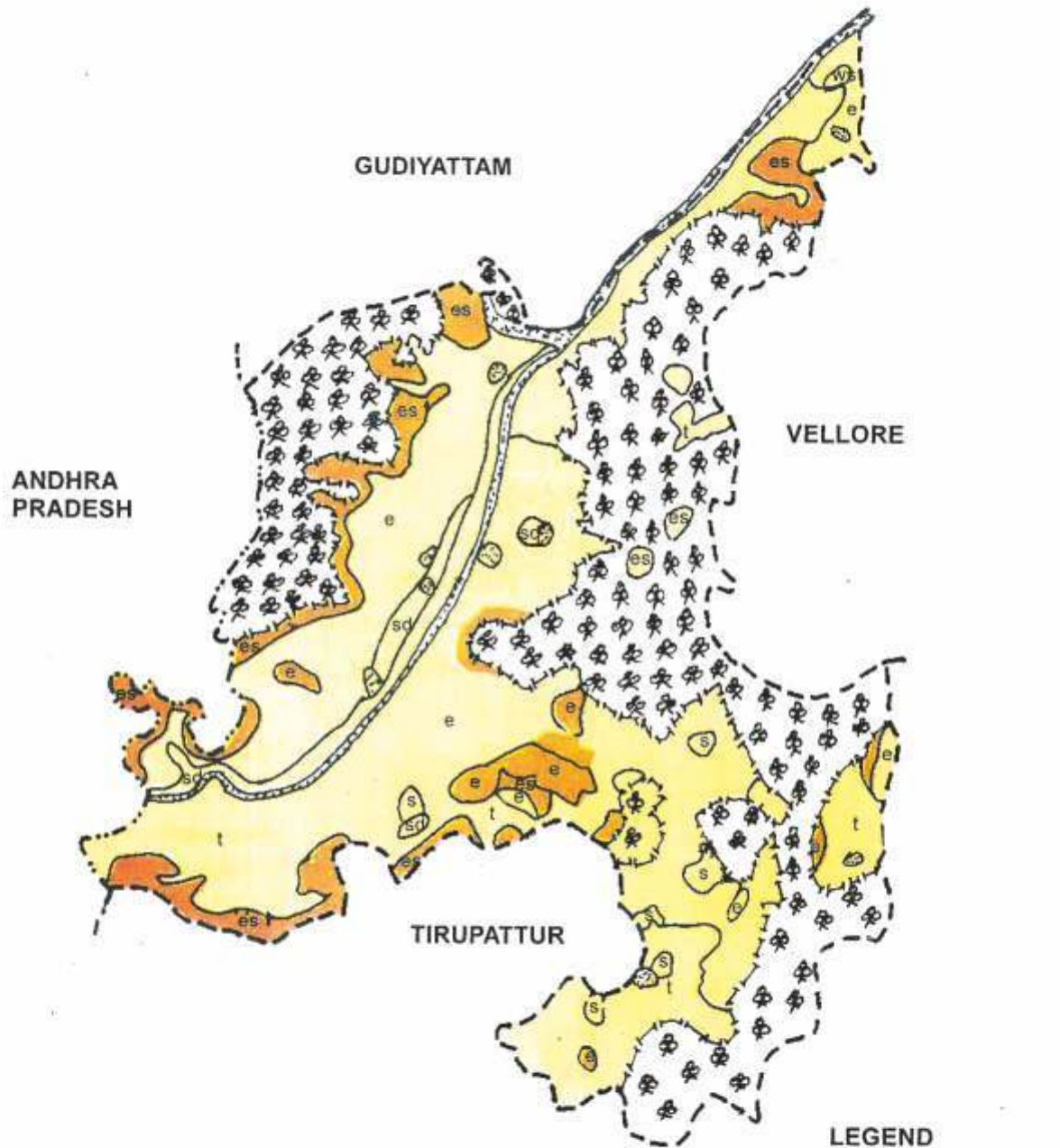
- 2** Lands that have moderate limitations for sustained use under irrigation.
- 3** Lands that have severe limitations for sustained use under irrigation

Sub Class



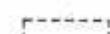

- s** Soil limitation
- t** Topography
- d** Drainage

LAND IRRIGABILITY

VANIYAMBADI TALUK



REFERENCE

-  State boundary
-  Taluk boundary
-  Forest boundary
-  River & Gully

LEGEND

CLASS

-  Moderate limitations
-  Severe limitations

SUB CLASS

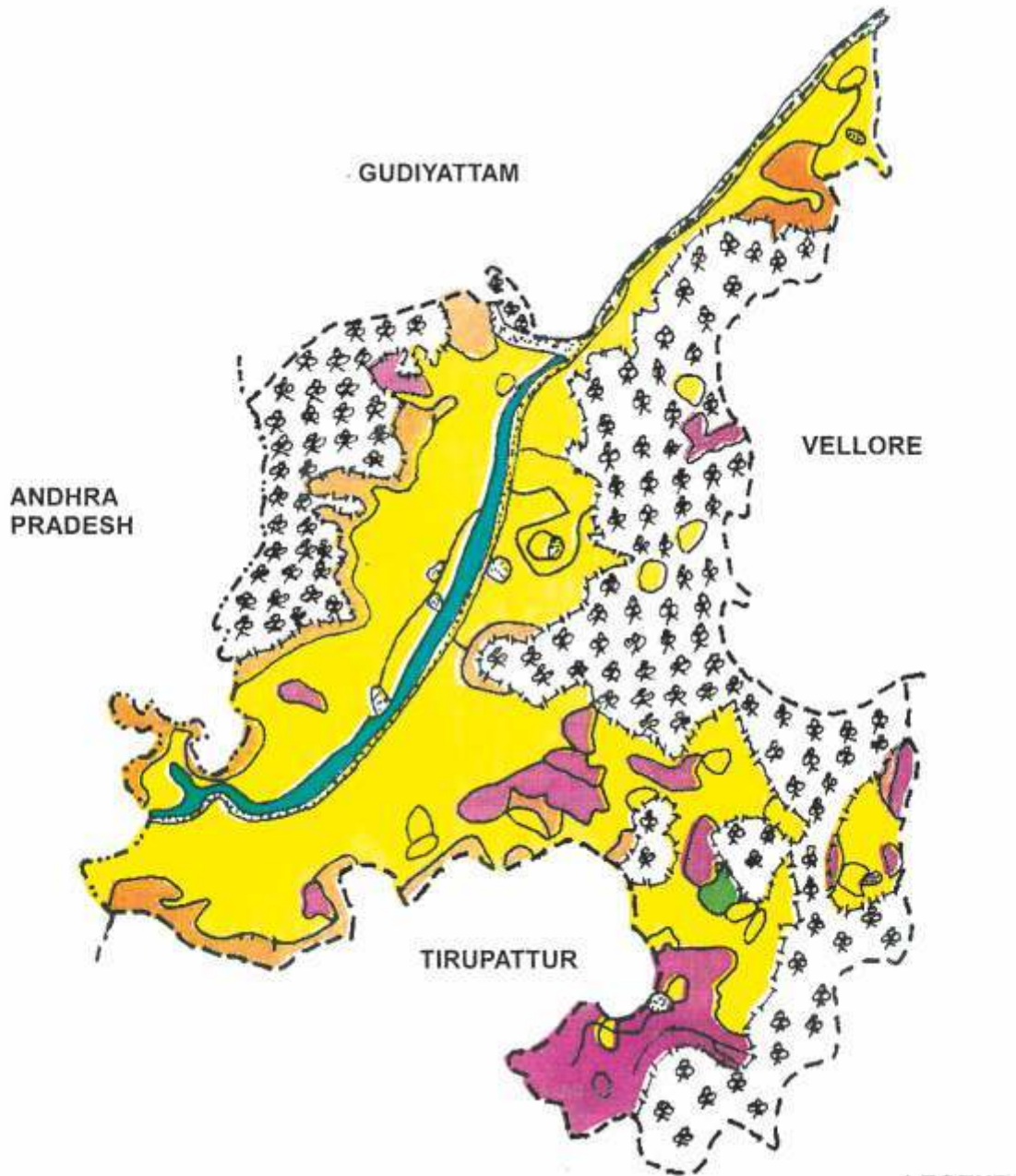
- s - SOIL LIMITATION
- t - TOPOGRAPHY
- d - DRAINAGE

SOIL PRODUCTIVITY


VANIYAMBADI TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
8,675	0 - 7	Extremely poor	Vannapatti
3,498	8 - 19	Poor	Padugai
28,337	20 - 34	Average	Mangalathupatty, Chickarasampalayam, Suramangalam
18,241	35 - 64	Good	Kolathur, Ethapur, Vadapudupattu





SOIL PRODUCTIVITY VANIYAMBADI TALUK



REFERENCE

- State boundary
- - - - - Taluk boundary
- Forest boundary
-  River & Gully

LEGEND

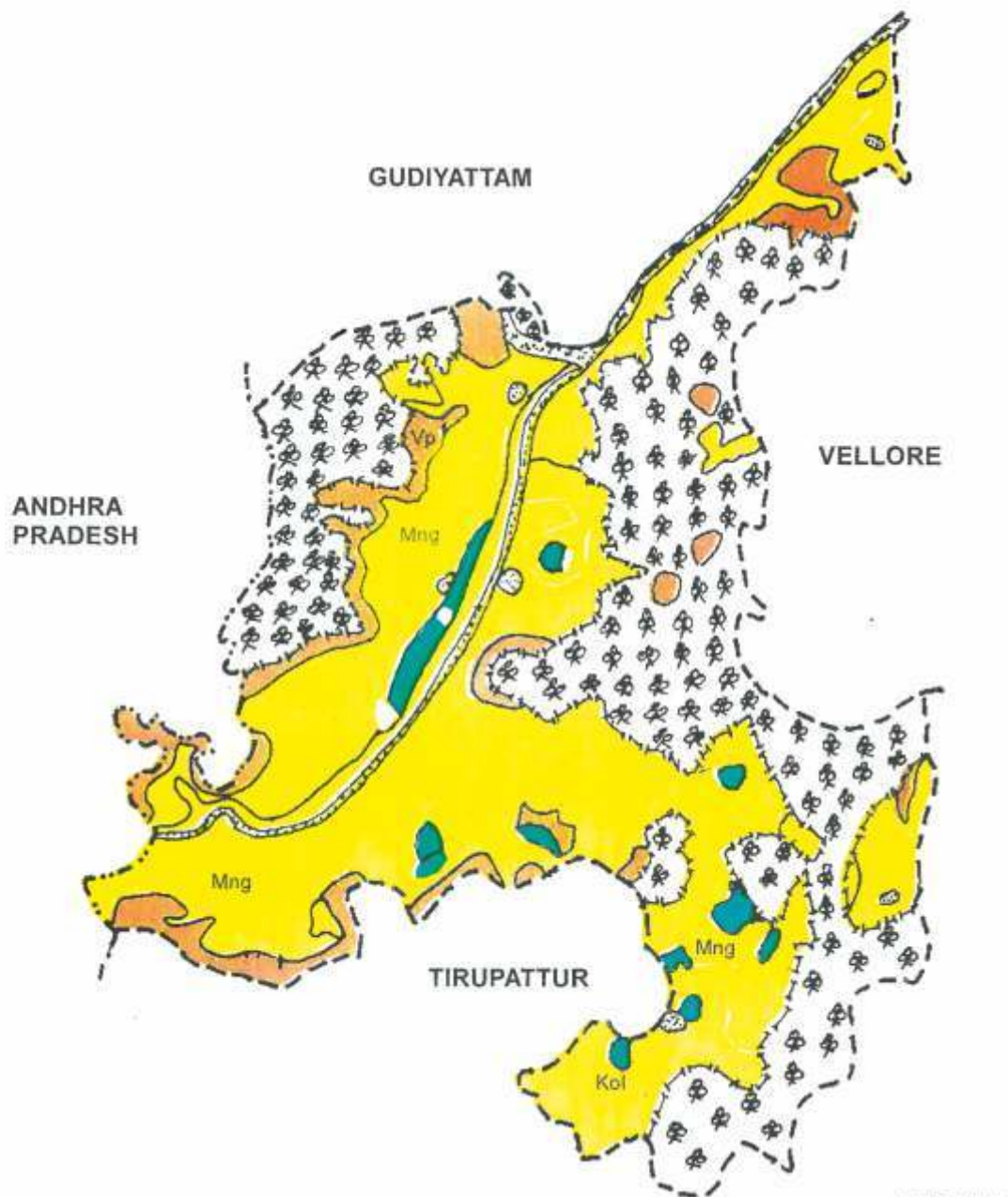
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-  2
-  3
-  4

CROPS GROWN





VANIYAMBADI TALUK

Map Symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Vannapatty	Groundnut, Millets, Pulses	Groundnut, Paddy, Millets, Pulses
2	Mangalathupatty, Kolathur, Vadapudupattu, Ethapur, Padugai	Groundnut, Millets, Pulses	Groundnut, Paddy, Sugarcane, Banana, Pulses, Millets, Vegetables, Flowers, Coconut.
3	Suramangalam, Chickarasampalayam	Pulses, Millets	Paddy, Sugarcane, Banana, Millets, Pulses, Coconut, Vegetables, Sunflower




CROPS GROWN VANIYAMBADI TALUK



REFERENCE

-  State boundary
-  Taluk boundary
-  Forest boundary
-  River & Gully

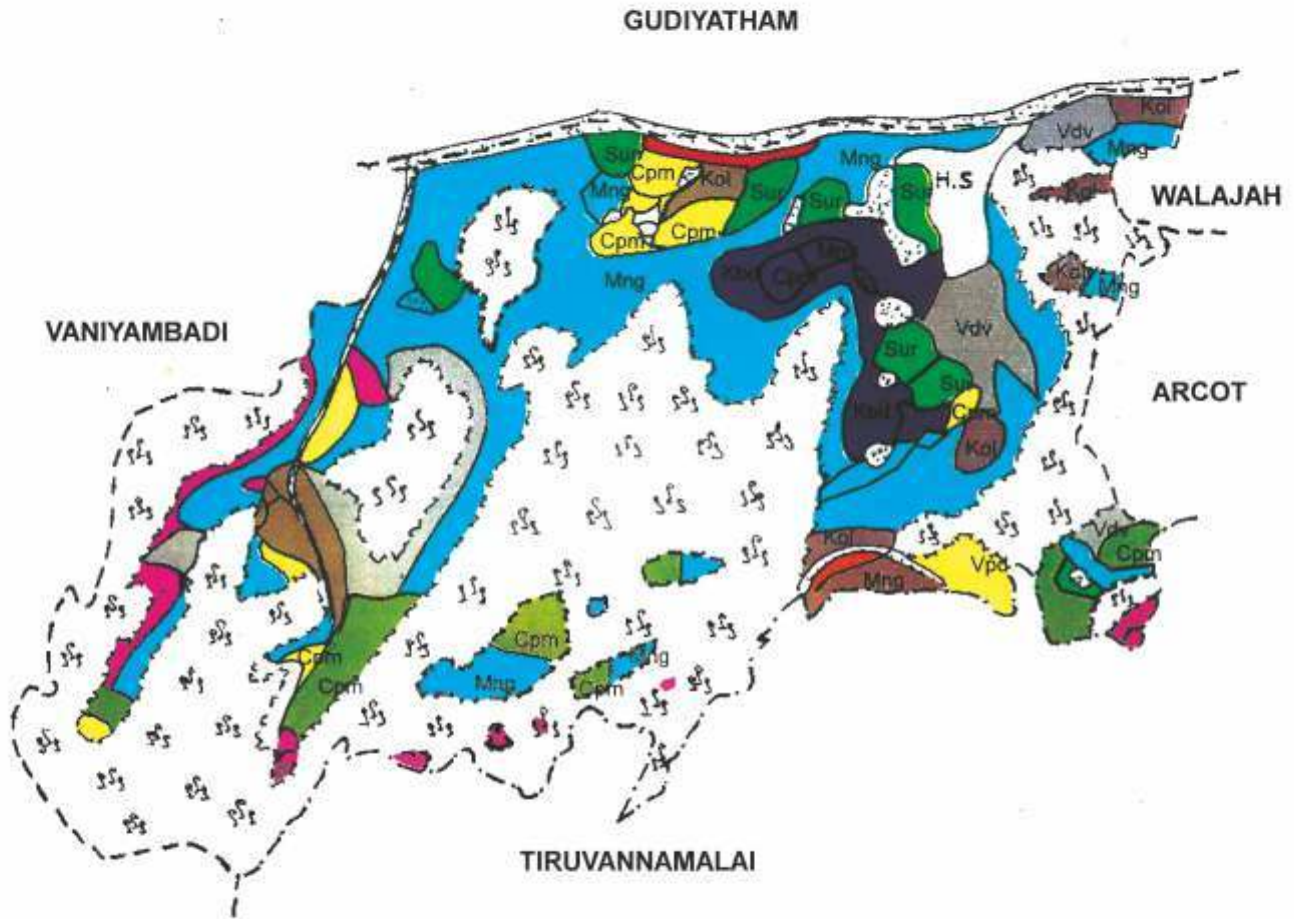
LEGEND

-  1
-  2
-  3


SOILS**VELLORE TALUK**

Soil series	Symbol	Extent	
		(ha)	%
1. Mangalathupatty	Mng	7,799	9.13
2. Vadavalam	Vdv	4,662	5.46
3. Chickarasampalayam	Cpm	4,430	5.18
4. Kadambadi	Kbd	4,332	5.07
5. Suramangalam	Sur	4,028	4.71
6. Kolathur	Kol	3,374	3.95
7. Vadapudupattu	Vpd	2,140	2.50
8. Vannapatti	Vpt	570	0.67
9. Padugai	Pdg	502	0.59
10. Forest and Others	—	53,622	62.74
Total		53,459	100.00

SOILS VELLORE TALUK



REFERENCE

- State boundary
- District boundary
- Taluk boundary
- Forest boundary
-  Soil boundary

LEGEND

-  Mng MANGALATUPATTY
-  Cpm CHIKKARASAMPALAYAM
-  Vpd VANNAPATTI
-  Kol KADAMBADI
-  Sur SURAMANGALAM
-  Vpd VADAPUDUPATTI
-  Pdg PADUGAI
-  Vdu VADAVALAM
-  Kol KOLATHUR

VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

VELLORE TALUK

Name of the Village (1)	Fertility status (kg / ac)			Dominant soil series (5)
	Nitrogen (2)	Phosphorus (3)	Potassium (4)	
ANAICUT BLOCK				
1. Abdullapuram	96	9	105	Mng, Kol
2. Allapuram	96	9	105	Sur, Mng
3. Anaicut	81	9	81	Mng, Kol
4. Appukkai	66	13	85	Mng, Kol
5. Athikuppam	84	11	210	Kol, Mng
6. Bramanakangalam	93	9	72	Mng, Kol
7. Devichettikuppam	94	9	104	Kol, Mng
8. Elavambadi	122	8	209	Mng, Kol
9. Erankadu	116	7	71	Kol, Mng
10. Govindavadi	91	6	93	Mng Ppm
11. G.S. Kuppam	93	8	113	Kol, Mng
12. Ganganallur	102	10	176	Mng, Kol
13. Kandaneri	144	10	221	Kol, Mng
14. Karadikudi	98	9	44	Mng, Kol
15. Karumpathur	93	7	95	Mng, Kol
16. Krishnapuram	89	9	186	Kol, Mng
17. Kommalakuttai	93	11	152	Mng, Kol
18. Madayampattu	94	11	248	Kol, Mng
19. Marudhavallipalayam	92	9	126	Mng, Kol
20. Mahamathapuram	98	11	115	Kol, Mng

(1)	(2)	(3)	(4)	(5)
21. Nemandapuram	96	7	105	Kol, Mng
22. Othiyathur	96	9	62	Kol, Mng
23. Odugathur	104	10	263	Mng, Kol
24. Ongapadi	76	11	175	Kol, Mng
25. Pallikonda	86	13	211	Kol, Mng
26. Perumugai	98	10	105	Kol, Mng
27. Pinnathurai	90	11	150	Vpt, Mng
28. Poigai	70	11	134	Mng, Pdg
29. Puthur	93	8	98	Mng, Kol
30. Sathiyamangalam	99	9	107	Mng, Sur
31. Sathumadurai	90	7	98	Cpm, Kol
32. Seripadi	83	9	170	Vpt, Mng
33. Thippasamudram	79	9	116	Kol, Mng
34. Unaivaniyambadi	93	7	95	Mng, Vpt
35. Vananthangal	104	9	441	Mng, Kol
36. Vasanthanadai	73	18	97	Mng, Kol
37. Vettuvanam	117	9	192	Mng, Sur
VELLORE BLOCK				
38. Alamelumangapuram	107	16	226	Kol, Mng
39. Anpoondi	78	14	123	Mng, Kol
40. Athiyur	89	5	181	Kol, Mng

(1)	(2)	(3)	(4)	(5)
41. Ariyur	92	10	84	Mng, Kol
42. Balamathi	106	18	103	Kol, Mng
43. Chitteri	114	13	66	Mng, Kol
44. Kattuputhur	118	8	108	Kol, Mng
45. Kilmonavur	82	9	147	Mng, Pdg
46. Konavattam	81	10	134	Sur, Mng
47. Kuppam	105	8	166	Cpm Kol
48. Melmonavur	96	10	152	Mng, Sur
49. O. Kuppam	109	19	135	Mng, Kol
50. Puthur	47	10	170	Mng, Kol
51. Pulimedu	79	15	150	Kol, Mng
52. Sathupperi	87	9	118	Sur, Mng
53. Senbakkam	102	8	101	Mng, Sur
54. Nembanginallur	97	9	194	Kol, Mng
55. Sathuvacheri	86	8	145	Kol, Mng
56. Sekkanur	83	8	146	Kol, Mng
57. Sirukanchi	87	11	146	Kol, Sur
58. Thellur	90	11	142	Kol, Mng
59. Thorapadi	84	11	98	Sur, Mng
60. Oosur	94	10	213	Kol, Mng
61. Vellcre	108	9	94	Mng, Kol
KANIYAMBADI BLOCK				
62. Adukkambarai	78	10	214	Mng, Kol
63. Chengalnatham	96	9	105	Kol, Mng
64. Edayansathu	88	7	95	Kol, Vpt
65. Kammasamudram	91	14	81	Kol, Cpm

	(1)	(2)	(3)	(4)	(5)
66.	Kammavarpettai	103	9	87	Mng, Sur
67.	Kaniyambadi	83	9	130	Kol, Mng
68.	Kathalambattu	81	9	111	Kol, Mng
69.	Kanikiniyan	109	9	135	Kol, Mng
70.	Kilarasampattu	116	7	136	Kol, Mng
71.	Kilpallipattu	99	13	124	Kol, Vpt
72.	Mettupalayam	99	9	132	Kol, Mng
73.	Mothakkal	87	9	131	Kol, Cpm
74.	Munjirpet	104	8	97	Kol, Mng
75.	Nanchukondapuram	73	10	113	Mng, Kol
76.	Nelvai	81	20	79	Sur, Kol
77.	Palathuvannam	93	10	98	Kol, Vpt
78.	Palampakkam	96	8	134	Kol, Mng
79.	Pennathur	91	9	90	Kol, Cpm
80.	Salamanatham	98	6	79	Kol, Cpm
81.	Sathupalayam	87	8	115	Kol, Mng
82.	Sirukarumbur	58	7	95	Kol, Mng
83.	Solavaram	92	9	115	Kol, Mng
84.	Thuthipattu	100	10	114	Kol, Vpt
85.	Thuthikadu	80	8	163	Kol, Mng
86.	Vallam	87	10	86	Kol, Mng
87.	Veppambattu	88	6	95	Mng, Kol
88.	Virupatchipuram	90	8	115	Mng, Kol

LAND CAPABILITY

VELLORE TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
22,809	II e	Mangalathupatty, Kadambadi, Vadapudupattu, Kolathur, Vadavalam, Padugai	Erosion, Surface run off, Topography	Soil conservation
4,430	II s	Chickarasampalayam	Salinity	Soil reclamation
4,028	II ws	Suramangalam	Wetness, salinity	Improving drainage, selection of crops
570	III es	Vannapatty	Erosion, shallow, depth	Soil conservation

Class

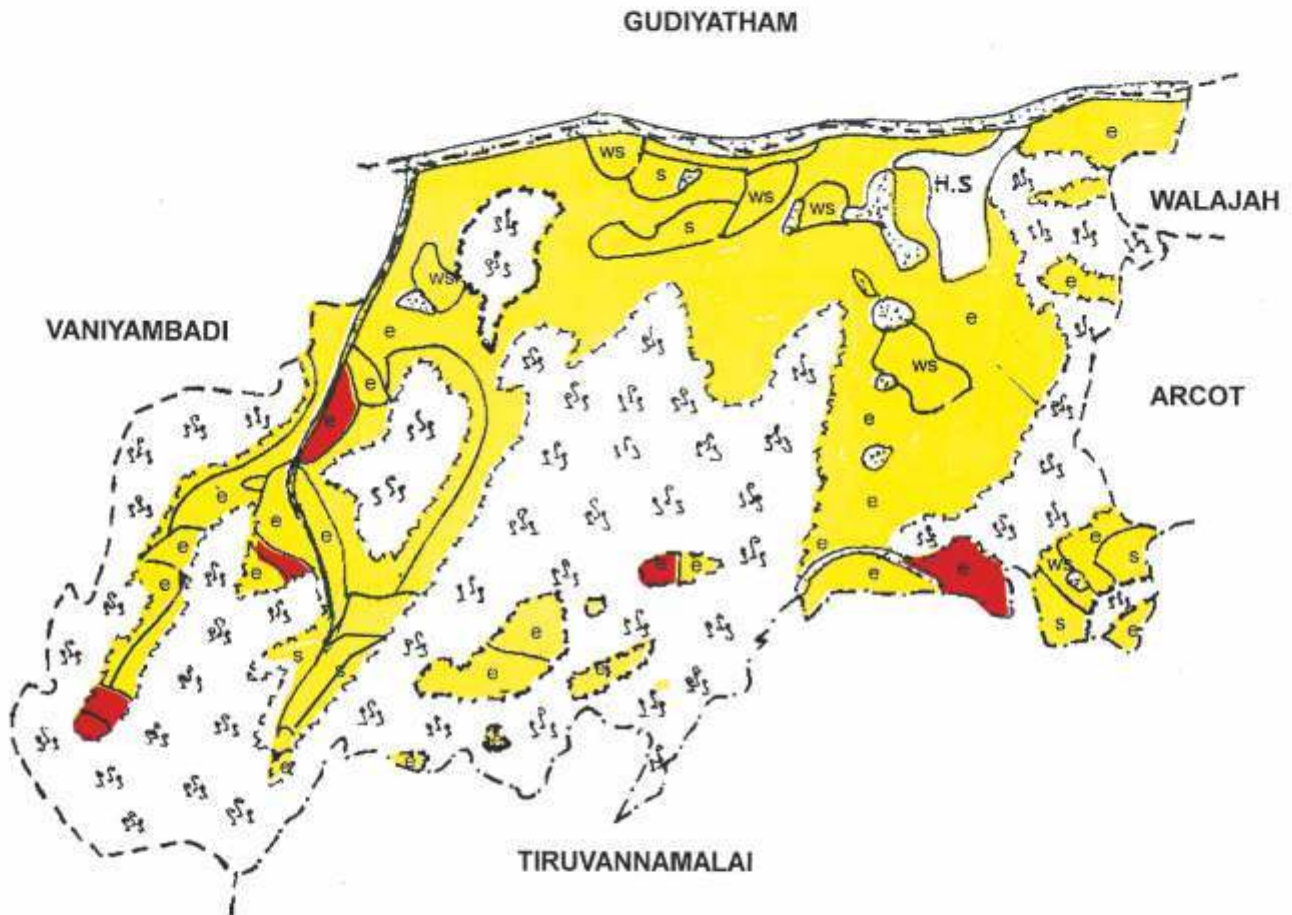
- II** Good cultivable lands that have moderate limitations for sustained use under agriculture
- III** Moderately good cultivable lands that have severe limitations for sustained use under agriculture

Sub Class


- e** Erosion and runoff
- s** Root zone limitation
- w** Wetness

LAND CAPABILITY

VELLORE TALUK





REFERENCE

- District boundary
- Taluk boundary
- [- - - -] Forest boundary
-  River & Gully

LEGEND

CLASS

-  GOOD CULTIVABLE LANDS
-  MODERATELY GOOD CULTIVABLE LANDS

SUB CLASS

- e - EROSION & RUNOFF
- t - TOPOGRAPHY
- d - DRAINAGE

LAND IRRIGABILITY

VELLORE TALUK

Area (ha)	Irrigability classification	Soil series	Limitation
22,307	2 t	Mangalathupatty, vadavalam, Vadapudupattu, Kolathur, Kadambadi	Run off, Topography
4,430	2 s	Chickarasampalayam	Salinity
4,530	2 ds	Suramangalam, Padugai	Flood , Stratification, Alkalinity
570	3 s	Vannapatty	Shallow depth, Low water holding capacity, Coarse fragments

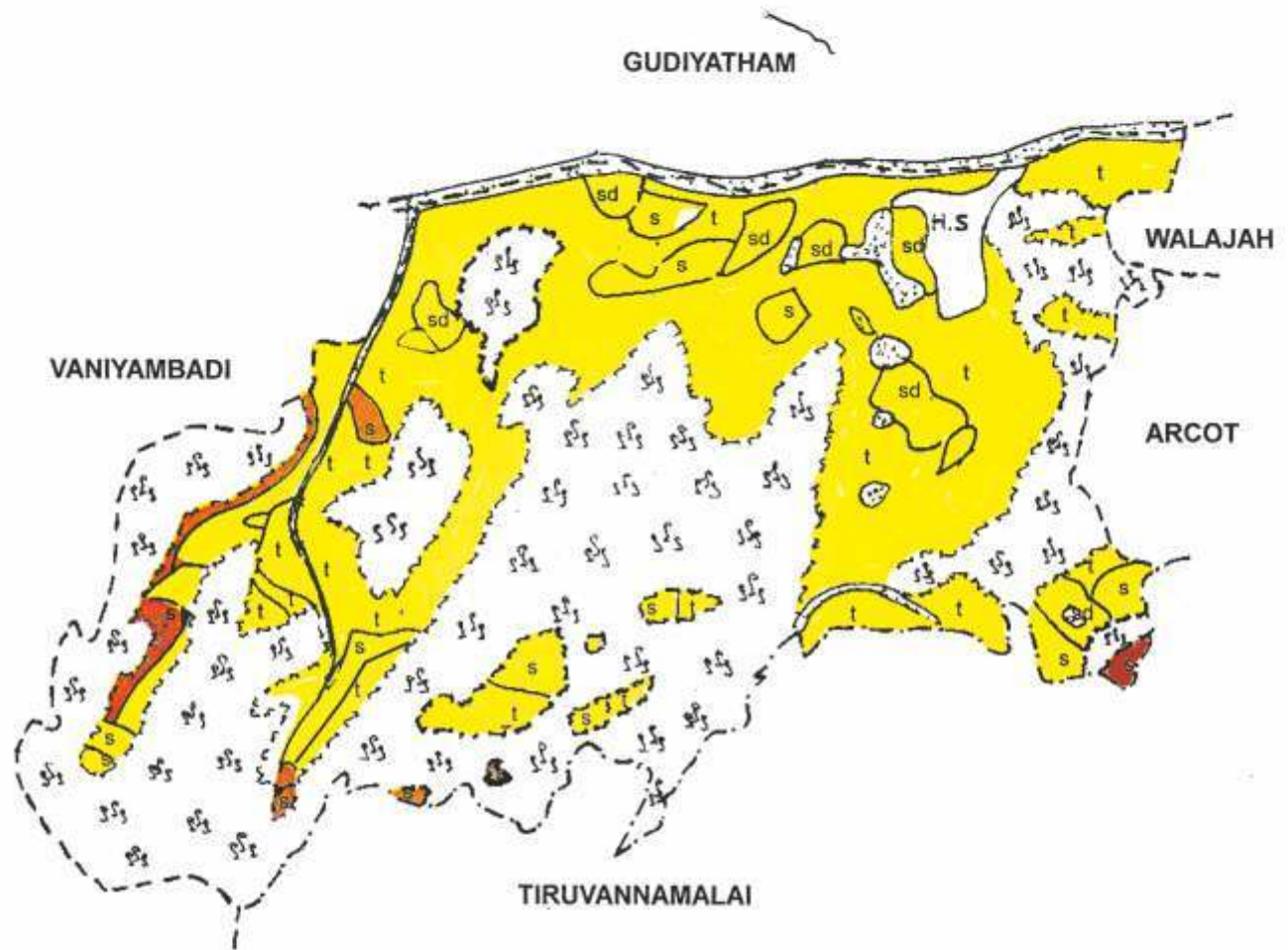
Class

- 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 VELLORE TALUK





REFERENCE

-  District boundary
-  Taluk boundary
-  Forest boundary
-  River & Gully

LEGEND

CLASS

-  MODERATE LIMITATION
-  SEVERE LIMITATION

SUB CLASS

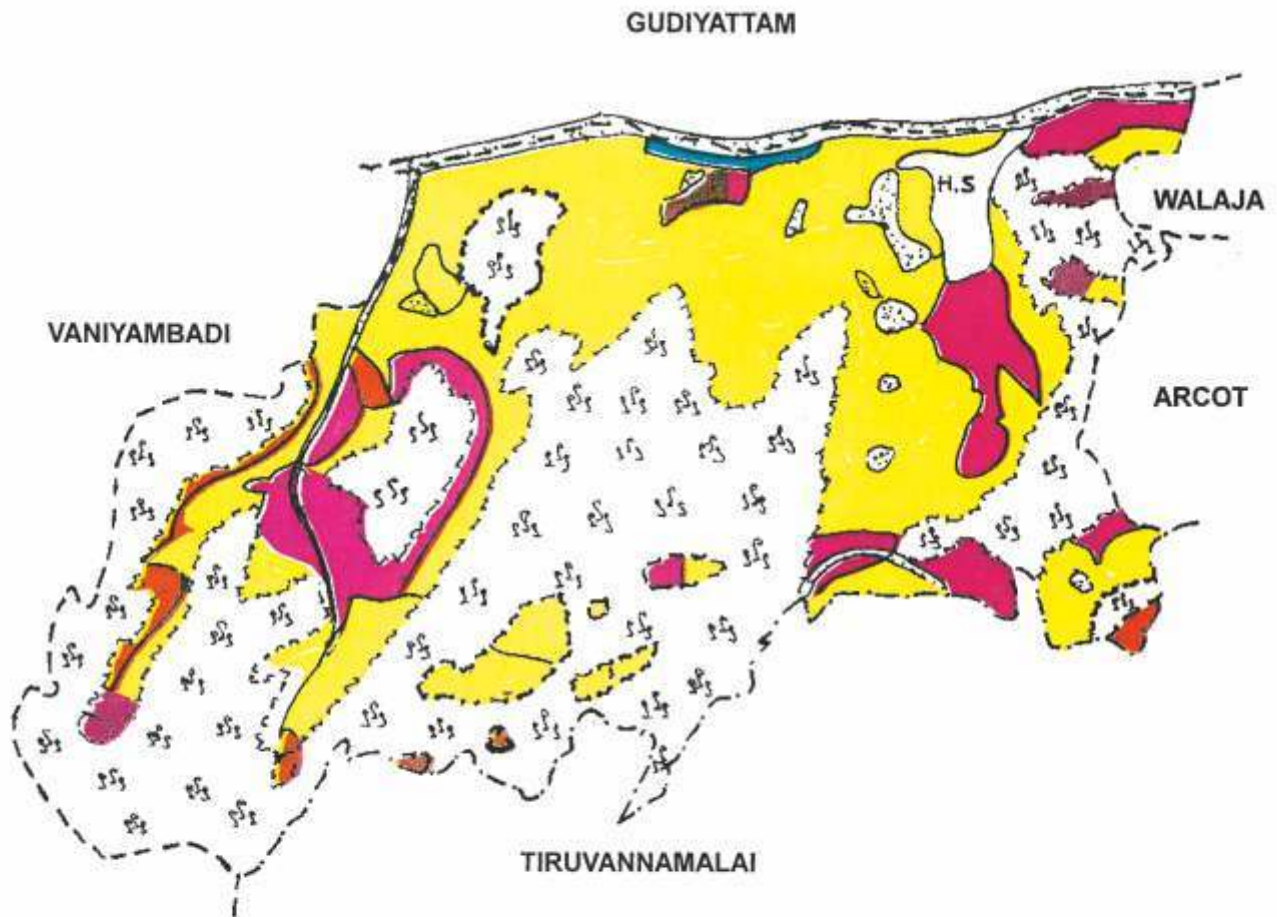
- s - SOIL LIMITATION
- t - TOPOGRAPHY
- d - DRAINAGE

SOIL PRODUCTIVITY






VELLORE TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
570	0 - 7	Extremely poor	Vannapatty
502	8 - 19	Poor	Padugai
20,589	20 - 34	Average	Managalathupatty, Kadambadi, Suramangalam, Chickarasampalayam
10,176	35 - 64	Good	Kolathur, Vadavalam, Vadapudupattu


SOIL PRODUCTIVITY VELLORE TALUK



REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  Forest boundary
-  River & Gully

LEGEND

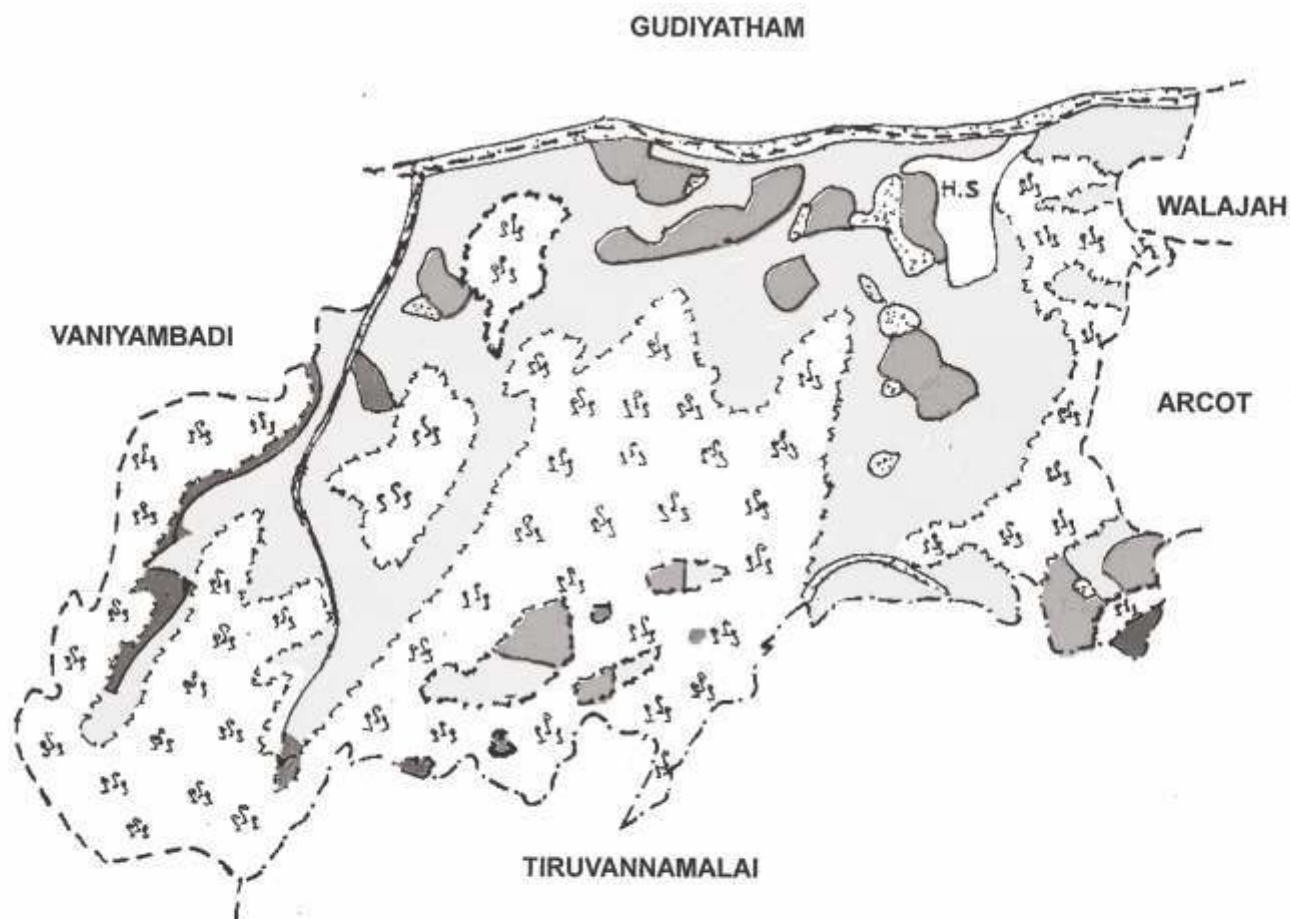
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CROPS GROWN



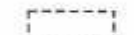

VELLORE TALUK

Map Symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Vannapatty	Groundnut, Pulses, Millets	Groundnut, Paddy, Millets, Pulses, Millets
2	Mangalathupatty, Kolathur, Vadavalam, Vadapudupattu, Padugai, Kadambadi	Groundnut, Millets, Pulses, Mango	Groundnut, Paddy, Sugarcane, Pulses, Banana, Vegetables, Flowers, Coconut
3	Suramangalam, Chickarasampalayam	Pulses, Millets	Sugarcane, Paddy, Pulses, Banana, Vegetables, Coconut, Sunflower

CROPS GROWN VELLORE TALUK



REFERENCE

-  District boundary
-  Taluk boundary
-  Forest boundary
-  River & Gully

LEGEND

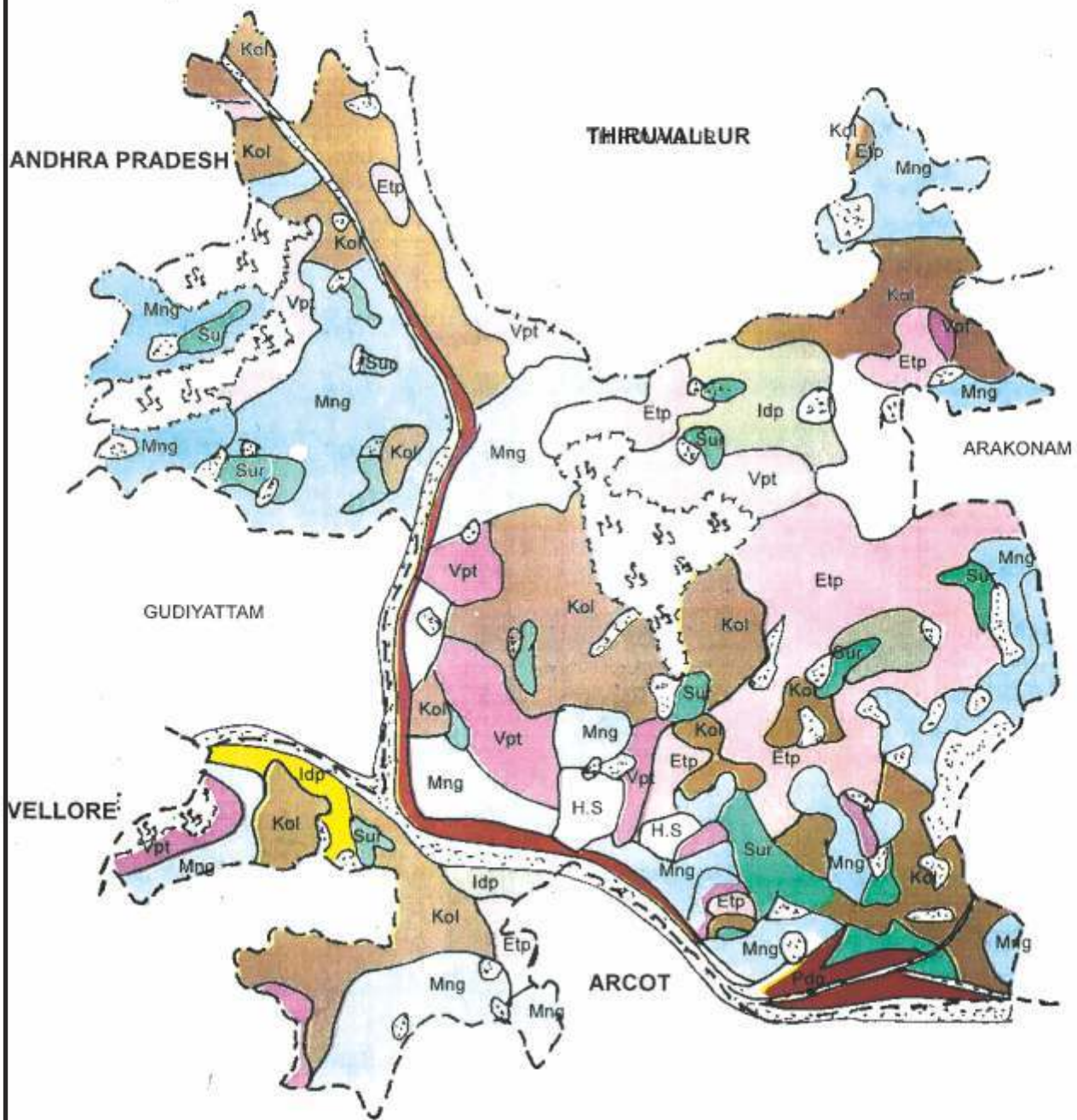
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-  3

SOILS

WALAJAH TALUK

Soil series	Symbol	Extent	
		(ha)	%
1. Mangalathupatty	Mag	10,630	17.69
2. Kolathur	Kol	10,262	17.08
3. Ethapur	Etp	8,709	14.49
4. Vannapatti	Vpt	6,065	10.09
5. Vadavalam	Vdv	5,200	8.65
6. Suramangalam	Sur	3,405	5.67
7. Padugai	Pdg	1,805	3.00
8. Idayapatti	Idp	170	0.28
9. Forest and Others	—	13,842	23.05
Total		60,088	100.00

SOILS WALAJAH TALUK



REFERENCE

- State boundary
- . - . - . District boundary
- Taluk boundary
- ▭ Reserve Forest
- ⊕ Soil boundary

LEGEND

Mng	MANGALATHUPATTY	Kol	KOLATHUR
Idp	IDAYAPATTY	Vpt	VANNAPATTI
Sur	SURAMANGALAM	Etp	ETHAPUR
Pdg	PADUGAI	Vdv	VADAVALAM

VILLAGE WISE FERTILITY STATUS AND SOIL SERIES

WALAJAH TALUK

Name of the Village (1)	Fertility status (kg / ac)			Dominant soil series (5)
	Nitrogen (2)	Phosphorus (3)	Potassium (4)	
SHOLINGHUR BLOCK				
1. Govindacheri	79	18	169	Mng, Vpt
2. Govindacherikuppam	106	10	286	Etp, Sur
3. Jambukulam	87	9	197	Vpt, Mng
4. Kallalakuppam	78	8	109	Kol, Mng
5. Kallalakuppam	77	12	169	Vdv, Kng
6. Kalpudur	104	11	97	Mng, Kol
7. Katrampakkam	73	15	158	Etp, Vpt
8. Karadikuppam	92	10	125	Kol, Vpt
9. Keeraisalathur	76	8	103	Mng, Etp
10. Kesavarankuppam	87	9	99	Vpt, Mng
11. Kodukkomathangal	97	9	130	Mng, Vpt
12. Kodakkal	62	7	104	Kol, Etp
13. Kollapalli	94	7	107	Kol, Mng
14. Kolatheri	96	8	143	Etp, Kol
15. Kolathur	75	8	150	Kol, Etp
16. Magimandalam	120	8	191	Mng, Vpt
17. Maruthalam	79	9	104	Etp, Mng
18. Nathandakuppam	75	9	104	Mng, Kol

(1)	(2)	(3)	(4)	(5)
19. Melpadi	101	10	107	Sur, Kol
20. Melarayakandapuram	89	8	195	Mng, Kol
21. Ottaneri	102	8	100	Mng, Etp
22. Ozlugur	80	9	155	Etp, Kol
23. Pandianallur	93	10	182	Kol, Etp
24. Paramasathu	90	10	172	Kol, Mng
25. Ponnappanthangal	90	7	95	Mng, Etp
26. Ponnai	105	8	98	Kol, Etp
27. Perumalkuppam	93	11	98	Mng, Kol
28. Pulivalam	92	8	105	Mng, Sur
29. Rendadi	105	9	110	Kol, Sur
30. Sengalnatham	102	10	120	Etp, Vpt
31. Sholinghut	84	6	132	Mng
32. Sittathur	72	16	115	Etp, Kol
33. Somasamudran	74	6	120	Mng, Kol
34. Thenpalli	55	15	119	Mng, Sur
35. Thalangai	120	15	118	Etp, Mng
36. T.S. Palli	90	9	81	Mng, Vdv
37. Vangur	82	8	120	Kol, Mng
38. Vallimalai	96	9	115	Mng, Kol
39. Vadakadappamthangal	97	10	325	Etp, Vdv
40. Vadakkal	65	6	296	Kol, Etp
41. Valluvampakk	95	10	112	Kol, Etp
42. Velam	96	8	96	Vdv, Kol

(1)	(2)	(3)	(4)	(5)
43. Velleri	106	9	110	Mng, Vdv
44. Veppali	90	7	105	Mng, Vdv
45. Vinnampalli	105	9	120	Mng, Vdv
46. Ammanathangal	92	9	128	Mng, Vpt
47. Ammapalayam	61	8	91	Mng, Vpt
48. Ammur	86	11	111	Kol, Sur
49. Ananthalai	81	7	95	Mng, Kol
50. Chettithangal	80	10	398	Mng, Kol
51. Edapalayam	85	10	123	Kol, Etp
52. Ekkambaranallur	96	10	115	Vpt, Mng
53. G.R. Kottai	76	8	93	Mng, Vpt
54. Gudimallur	87	9	219	Mng, Kol
55. Kadapperi	99	8	138	Mng, Etp
56. Kallalakuppam	77	12	169	Kol, Mng
57. Kalmelkuppam	93	6	85	Kol, Mng
58. Kannigapuram	95	13	127	Mng, Kol
59. Mandakuppam	78	10	96	Mng, Kol
60. Lalalapet	92	9	99	Kol, Mng
61. Maniyampattu	93	10	105	Mng, Kol
62. Manthangal	87	12	138	Vpt, Mng
63. Mottur	106	20	129	Mng, Kol
64. Mukuntharayapuram	57	3	40	Kol, Vpt
65. Muchiri	93	11	127	Kol, Etp

(1)	(2)	(3)	(4)	(5)
66. Narasingapuram	104	11	93	Vpt, Kol
67. Neelakandaiayanpettai	89	8	195	Mng, Vpt
68. Nalock	98	9	115	Mng, Pdg
69. Padiyampakkam	103	8	93	Etp, Kol
70. Pagaveli	82	10	352	Mng, Pdg
71. Perumalkuppam	93	11	98	Mng, Kol
72. Punaiputhur	96	10	51	Mng, Kol
73. Poondi	97	10	115	Sur, Mng
74. Puliyanthangal	97	12	116	Vpt
75. Sathambakkam	74	10	396	Pdg, Sur
76. Sengadu	84	6	95	Kol, Vpt
77. Sumaithangi	91	12	131	Kol, Mng
78. Thengal	61	8	93	Kol, Mng
79. Thenkadappanthangal	98	9	115	Mng, Kol
80. Thagarakuppam	93	7	105	Etp, Kol
81. Thirumalaicheri	80	11	91	Mng, Sur
82. Thirupparkadal	98	9	115	Kol, Etp
83. V.C. Mottur	97	10	323	Kol, Etp
84. Vancapadi	103	10	161	Vpt, Mng
85. Veeranthangal	80	7	88	Kol, Mng

LAND CAPABILITY

WALAJAH TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
26,092	II e	Mangalathupatty, Kolathur, Vadavalam	Erosion, Surface runoff, Topography	Soil conservation
8,709	II ws	Suramangalam	Wetness, Salinity	Improving drainage, selection of crops
8,709	III e	Ethapur	Erosion	Soil conservation
170	III s	Idayapatti	Alkalinity, Salinity, Cracks	Soil reclamation Selection of crops
6,065	III es	Vannapatty	Erosion, shallow depth	Soil conservation

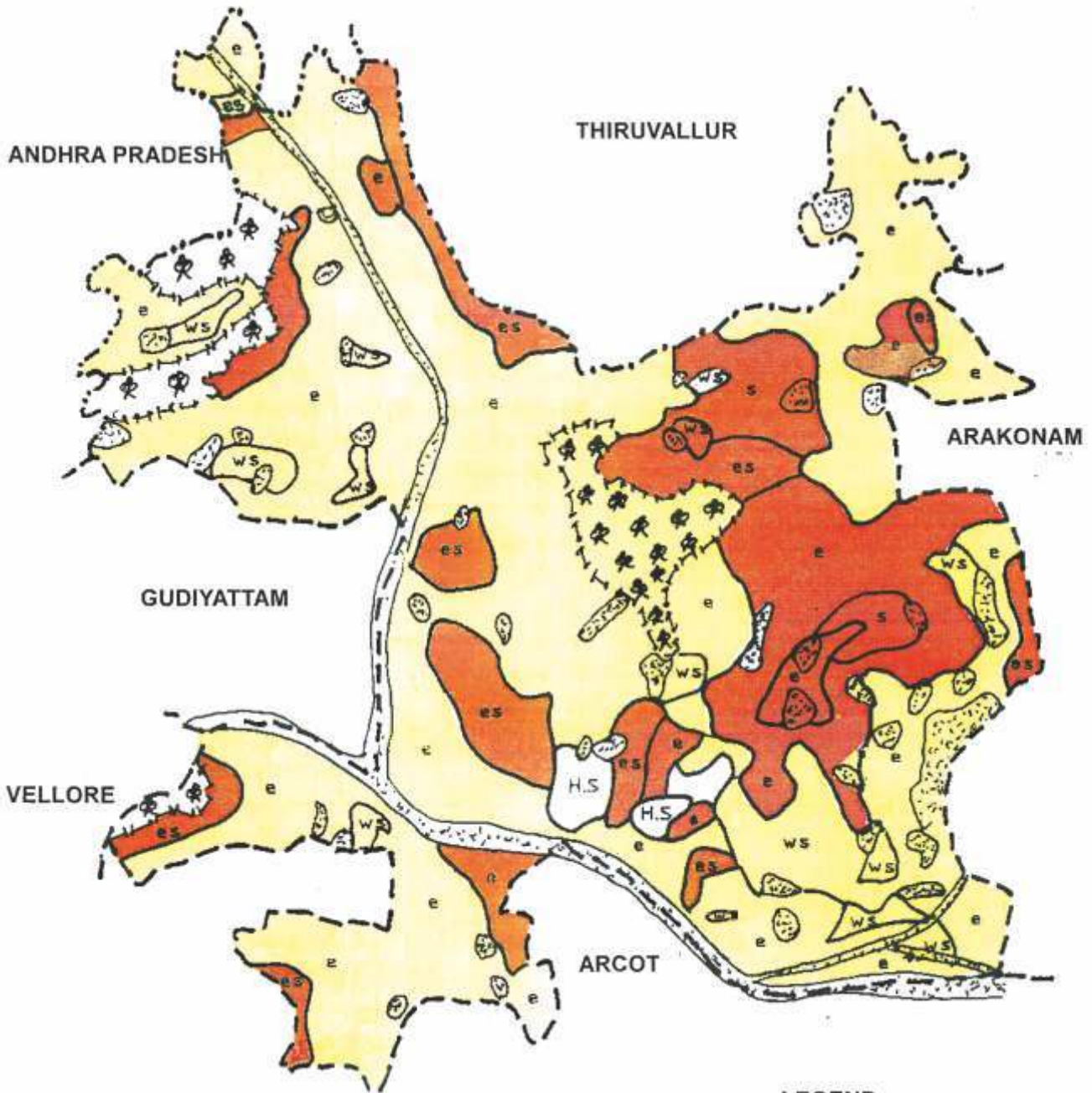
Class

- 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 runoff
- s** Root zone limitation
- w** Wetness



LAND CAPABILITY WALAJAH TALUK



REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  Forest boundary
-  River & gully

LEGEND

-  GOOD CULTIVABLE LANDS
-  MODERATELY GOOD CULTIVABLE LAND

SUB CLASS

- e - EROSION & RUN OFF
- s - SOIL LIMITATIONS
- w - WETNESS

LAND IRRIGABILITY

WALLAJAH TALUK

Area (ha)	Irrigability classification	Soil series	Limitation
26,092	2 t	Mangalathupatty, Kolathur, Vadavalam	Run off, Topography
5,210	2 ds	Suramangalam, Padugai	Flood control, Stratification, Alkalinity
6,065	3 s	Vannapatty	Shallow depth, Low water holding capacity, Coarse fragments
8,709	3 t	Ethapur	Topography, Erosion
170	3 sd	Idayapatty	Alkalinity, Slow Permeability

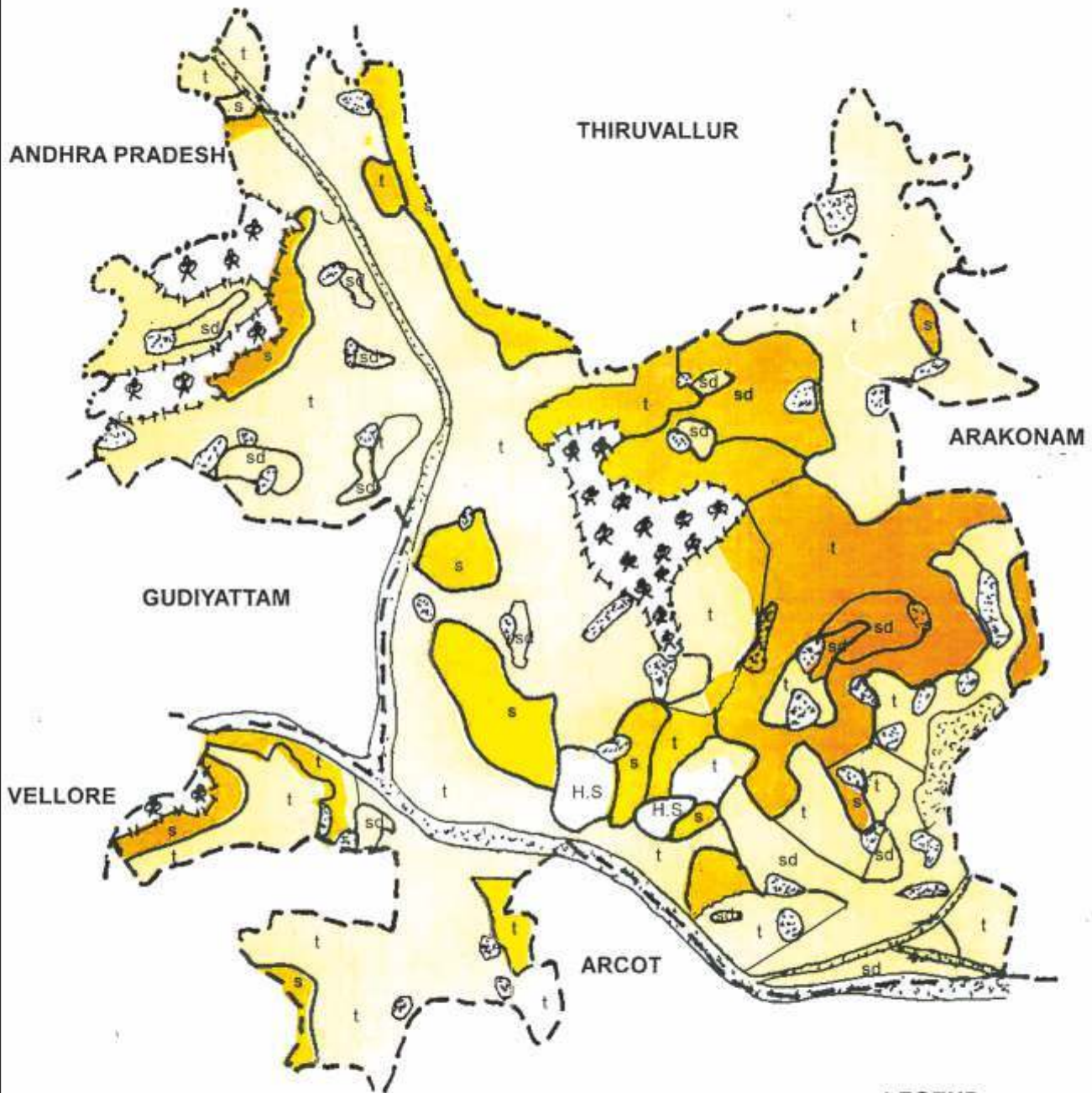
Class

- 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


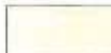
LAND IRRIGABILITY WALAJAH TALUK



REFERENCE

- State boundary
- District boundary
- Taluk boundary
- Forest boundary
-  River & gully

LEGEND

-  MODERATE LIMITATION
-  SEVERE LIMITATION

SUB CLASS

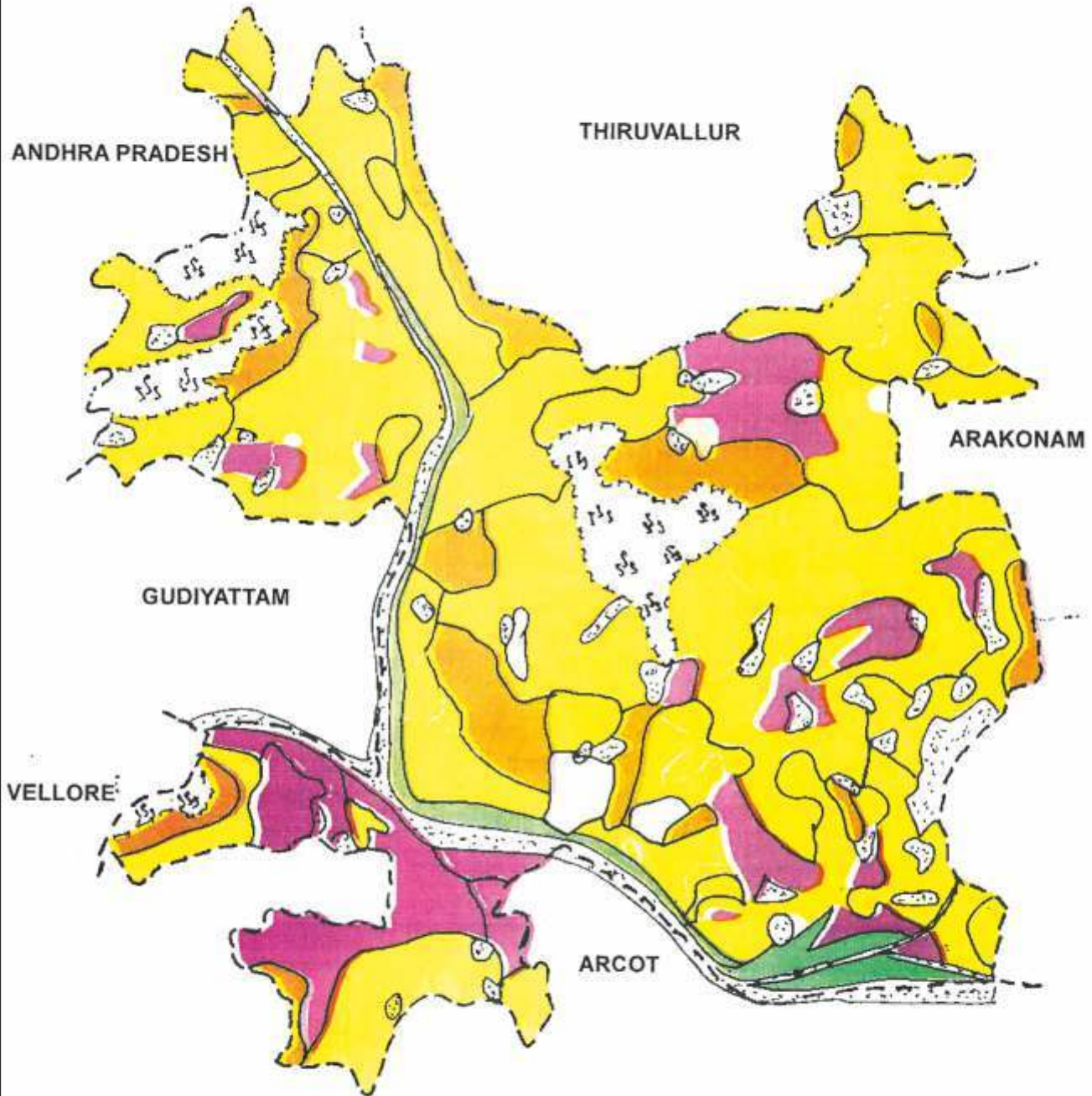
- s - SOIL LIMITATION
- t - TOPOGRAPHY
- d - DRAINAGE

SOIL PRODUCTIVITY






WALAJAH TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
6,065	0 - 7	Extremely poor	Vannapatty
1,805	8 - 19	Poor	Padugai
14,205	20 - 34	Average	Mangalathupatty, Suramangalam, Idayapatti
24,171	35 - 54	Good	Kolathur, Vadavalam, Ethapur,

SOIL PRODUCTIVITY WALAJAH TALUK



REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  Forest boundary
-  River & gully

LEGEND

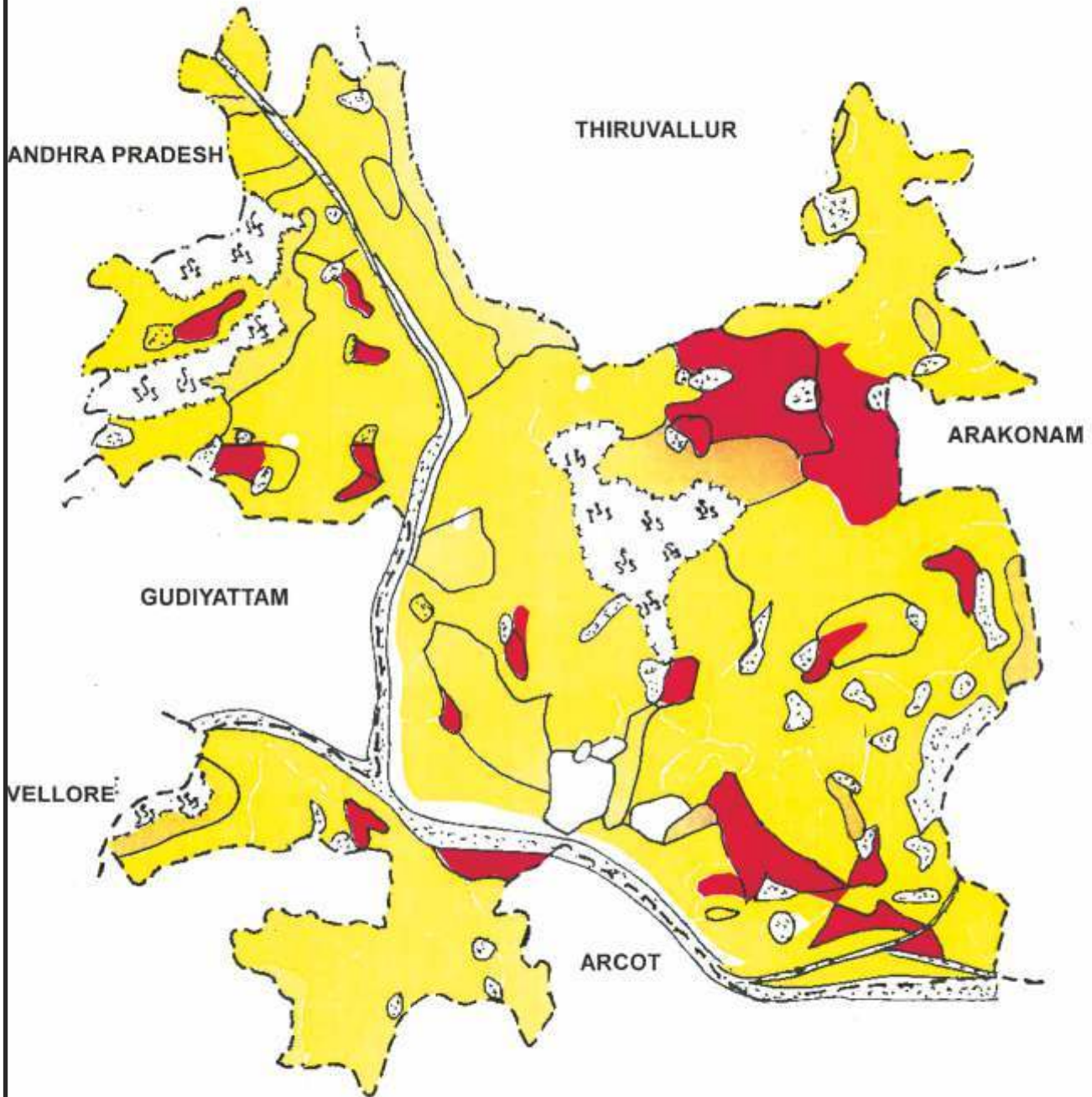
-  GOOD
-  AVERAGE
-  POOR
-  EXTREMELY POOR

CROPS GROWN




WALAJAH TALUK

Map Symbol	Soil series	Crops grown	
		Rainfed	Irrigated
1	Vannapatty	Groundnut, Millets, Pulses	Groundnut, Paddy, Pulses, Millets
2	Mangalathupatty, Kolathur, Ethapur, Vadavalam, Padugai	Groundnut, Millets, Pulses, Mango	Groundnut, Paddy, Sugarcane, Banana, Millets, Pulses, Vegetables, Flowers, Coconut.
3	Idayapatty, Suramangalam	Pulses, Millets	




CROPS GROWN WALAJAH TALUK



REFERENCE

-  State boundary
-  District boundary
-  Taluk boundary
-  Forest boundary
-  River & gully

LEGEND

-  1
-  2
-  3

