



SOIL ATLAS

COIMBATORE DISTRICT



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

COIMBATORE 641 013

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வீரயாண்டி எஸ். ஆறுமுகம்
வேளாண்மைத் துறை அமைச்சர்



தலைமைச் செயலகம்
சென்னை 600 009

அணிந்துரை

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

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

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

அன்புடன்,

வீரயாண்டி எஸ். ஆறுமுகம்
29.11.2018

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

மிக்க பயன் அளிக்கவல்ல இத்தொகுப்பேட்டு விவரங்களினை உற்பத்தி முனைவோர் அனைவரும் பெற்றிட இதனை அச்சிடும் பணிக்கு ரூ. 10.5 இலட்சம் அனுமதித்து தமிழ்நாடு அரசு ஆணையிட்டுள்ளது. அதன் தொடர் நிகழ்வாகவே ஏட்டளவில் இருந்த இத்தொகுப்பேடுகள் வண்ணமிக வடிவுடனும், விவரப்பொலிவுடனும் அச்சேறி தற்போது நற்பயன் அளிக்கும் நிலை பெற்றுள்ளன. வேளாண்மை இயக்குநராக அன்று நான் துவக்கிய பணி, செயலராகப் பொறுப்பேற்றுள்ள இந்நாளில் மலர்ந்து மீளர்வது 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.

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வேளாண்மைத்துறை

டாக்டர். க. அருள்மொழி, இ.ஆ.ப.
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 முந்தையவைப் 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.

(ஒ.ம்.) க. அருள்மொழி
வேளாண்மை இயக்குநர்

COIMBATORE

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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 forms the basic tool for agricultural 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

Coimbatore is an inland district bordering Kerala State on the west and south, Nilgiris and Erode districts on the north, and Erode and Dindigul districts on the east. It lies between $10^{\circ} 12'$ and $11^{\circ} 24'$ North latitude between $76^{\circ} 39'$ and $77^{\circ} 30'$ East longitude. The district has a total area of 7,46,799 hectares.

The district consists of 9 taluks viz. Avinashi, Coimbatore North, Coimbatore South, Mettupalayam, Palladam, Pollachi, Tiruppur, Udumalpet and Valparai.

Agro Ecological Region :

Eastern Ghats (Tamilnadu uplands) and Deccan plateau; hot semi-arid ecoregion with red loamy soils.

LOCATION MAP COIMBATORE DISTRICT

INDIA

TAMIL NADU



TALUKS & PANCHAYAT UNIONS

The district comprises of nine taluks and twentyone panchayat unions as indicated below:

Taluk	Panchayat union
1 Avinashi	1. Annur 2. Avinashi
2. Coimbatore North	3. Periyanaickenpalayam 4. Sarkar Sama Kulam
3. Coimbatore South	5. Madukkarai 6. Thondamuthur 7. Perur
4. Mettupalayam	8. Karamadai
5. Palladam	9. Palladam 10. Sultanpet 11. Sular
6. Pollachi	12. Anamalai 13. Kinathukadavu 14. Pollachi North 15. Pollachi South
7. Tiruppur	16. Pongalur 17. Tiruppur
8. Udumalpet	18. Gudimangalam 19. Madathukulam 20. Udumalpet
9. Valparai	21. Valparai

TALUKS & PANCHAYAT UNIONS COIMBATORE DISTRICT



NILGIRIS

ERODE

KERALA
STATE

DINDIGUL

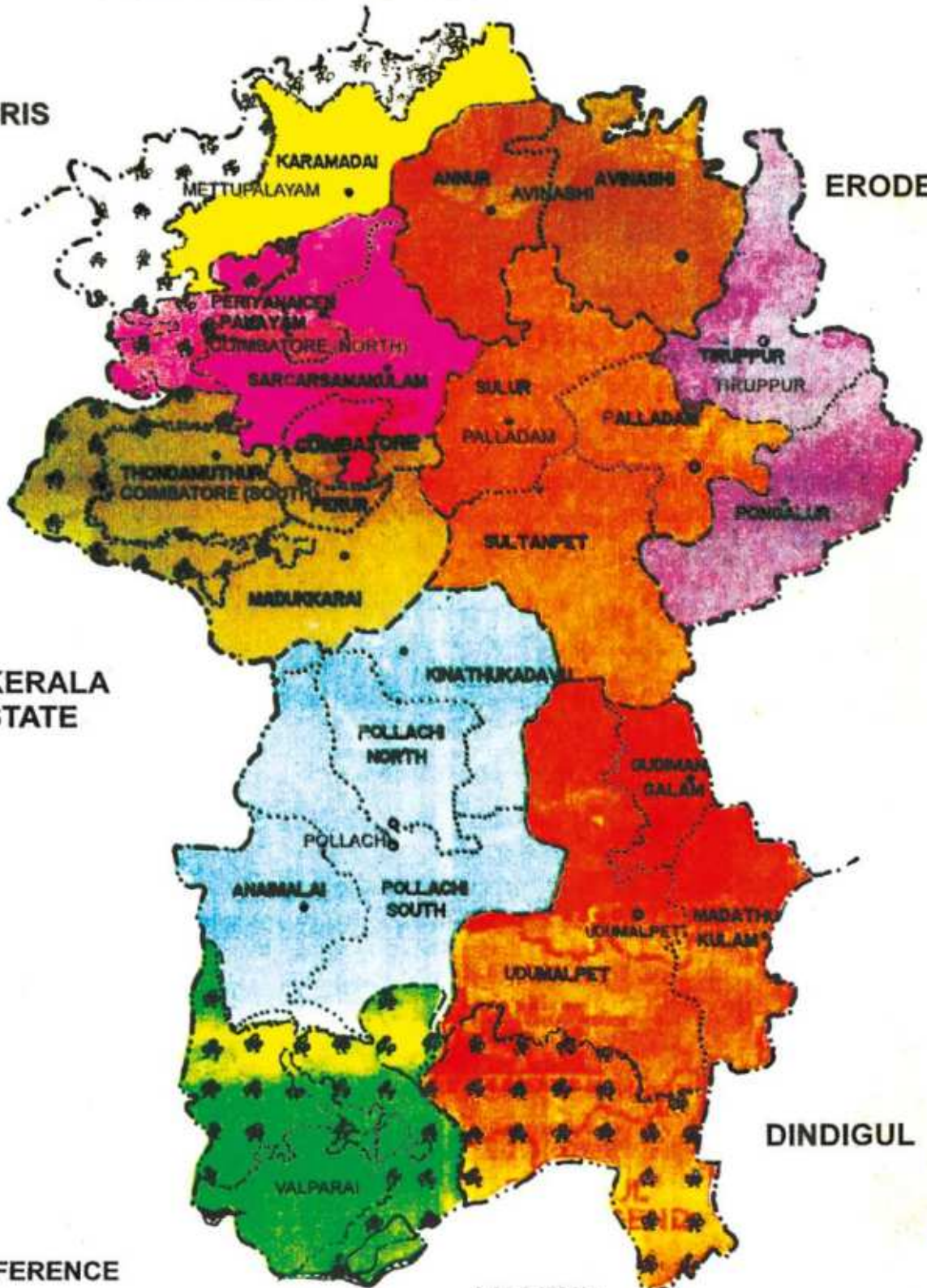
REFERENCE

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

LEGEND

- PANCHAYAT UNION
- TALUK

- HEAD QUARTERS
-
-



ROADS & RAILWAYS

Coimbatore district is well connected with a net work of roads including National Highways, State Highways and with Southern Railway to Erode, Nilgiris, Dindigul districts and Kerala. The important roads and railways are,

National Highways : NH 47 Connecting Coimbatore to Calicut

State Highways : Connecting Coimbatore to Nilgiris, Dindigul and Karur district

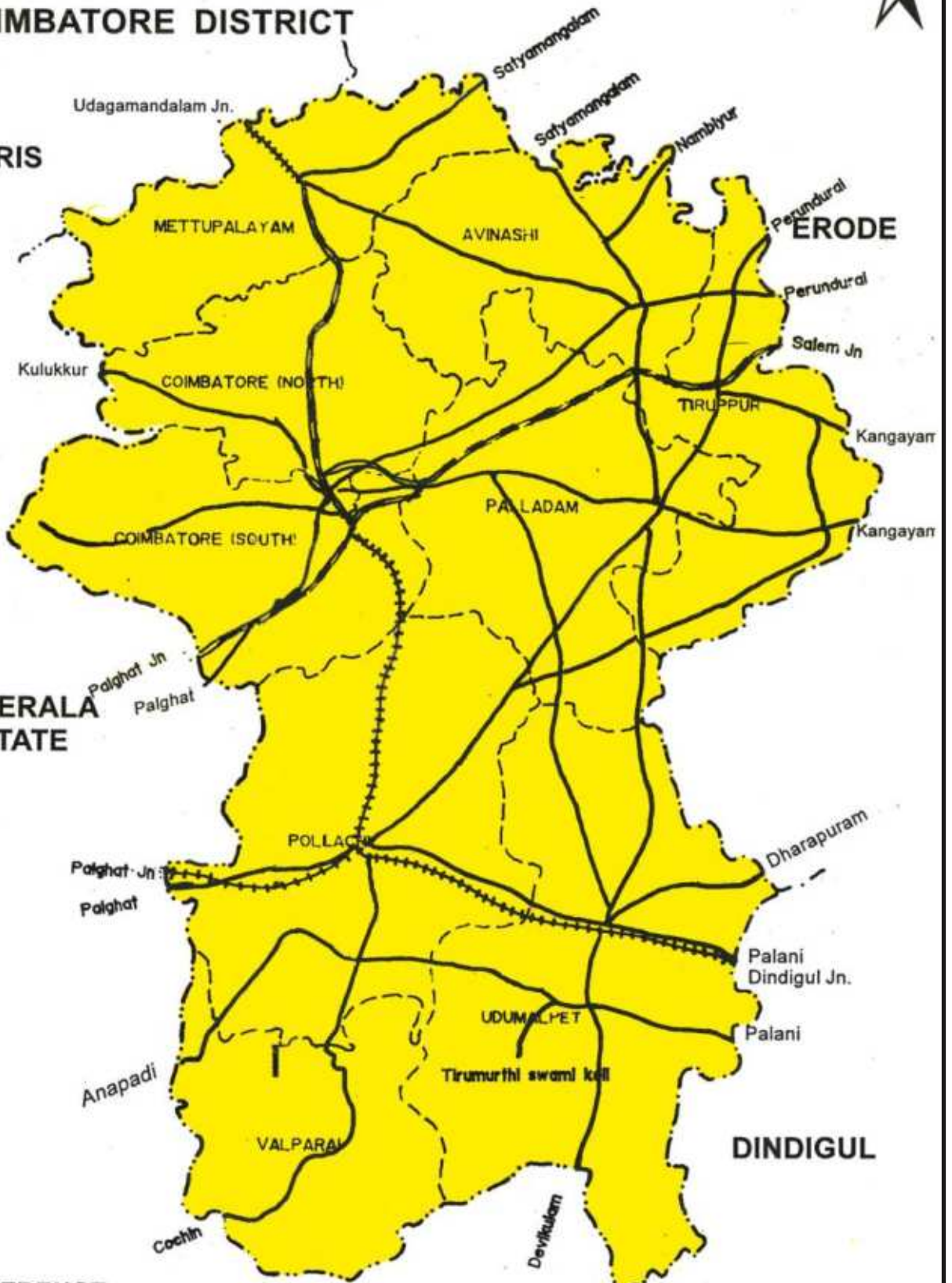
Southern Railways : Metre gauge : Connecting Coimbatore to Palani.

Broad gauge : Connecting Coimbatore to Erode. The Nilgiris and Palghat (Kerala)

ROADS & RAILWAYS COIMBATORE DISTRICT



NILGIRIS



KERALA
STATE

ERODE

DINDIGUL

REFERENCE

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

LEGEND

- ROADS 
- RAILWAY LINE (BROAD GAUGE) 
- RAILWAY LINE (METRE GAUGE) 

GEOLOGY

The geological formations and predominant minerals found in the district are given below

Geology :

- 1) Khondalite
- 2) Calc - granulite and crystalline limestone
- 3) Dolarite
- 4) Charnockite
- 5) Unclassified gneiss
- 6) Granite and syenite

Minerals :

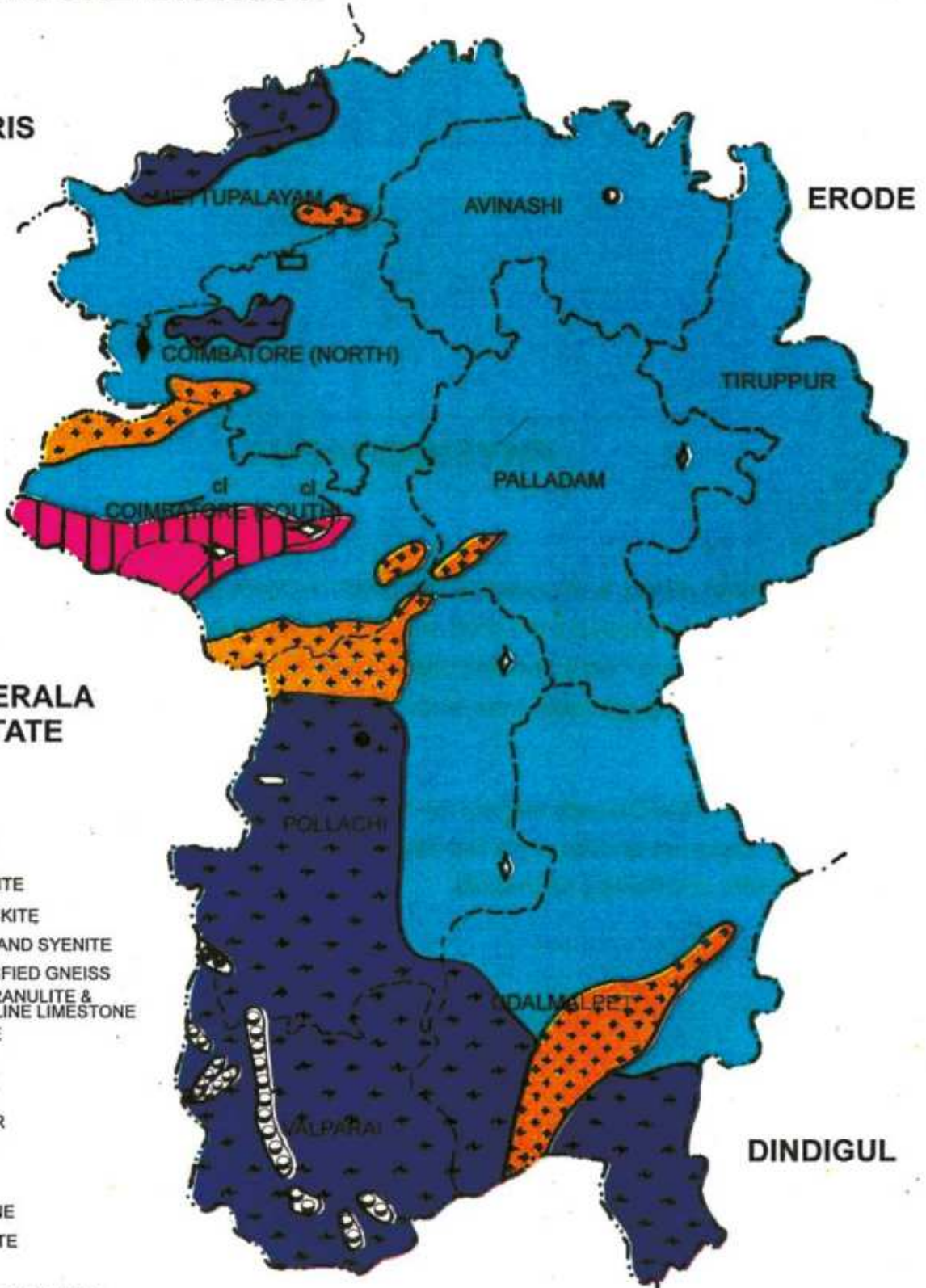
1. Beryl
2. Feldspar
3. Gold
4. Gypsum
5. Limestone
6. Magnesite
7. Mica



GEOLOGY

COIMBATORE DISTRICT

NILGIRIS



ERODE

TIRUPPUR

PALLADAM

KERALA STATE

LEGEND

-  KHONDALITE
-  CHARNOCKITE
-  GRANITE AND SYENITE
-  UNCLASSIFIED GNEISS
-  CALC - GRANULITE & CRYSTALLINE LIMESTONE
-  DOLARITE
-  BERYL
-  GYPSUM
-  FELDSPAR
-  MICA
-  GOLD
-  LIMESTONE
-  MAGNESITE

REFERENCE

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

DINDIGUL

PHYSIOGRAPHY

The Coimbatore district is bounded by the Western Ghats of which the Nilgiris on the north - west and Anamalai on the south are the chief ranges that attain a height of over 2,400 m. In between the hill ranges lies the east - west trending pass known as Palghat Gap. The rest of the district is an undulating plain sloping gradually from west (600m) to east (150m).

The tributaries of the Cauvery namely the Noyyal and Amaravathi run through the district and are east flowing. There are smaller rivers like Aliyar, Sholaiyar, Parambikulam and Palar originating in the Anamalai hills and flowing westwards.



PHYSIOGRAPHY COIMBATORE DISTRICT

NILGIRIS

ERODE

KERALA
STATE

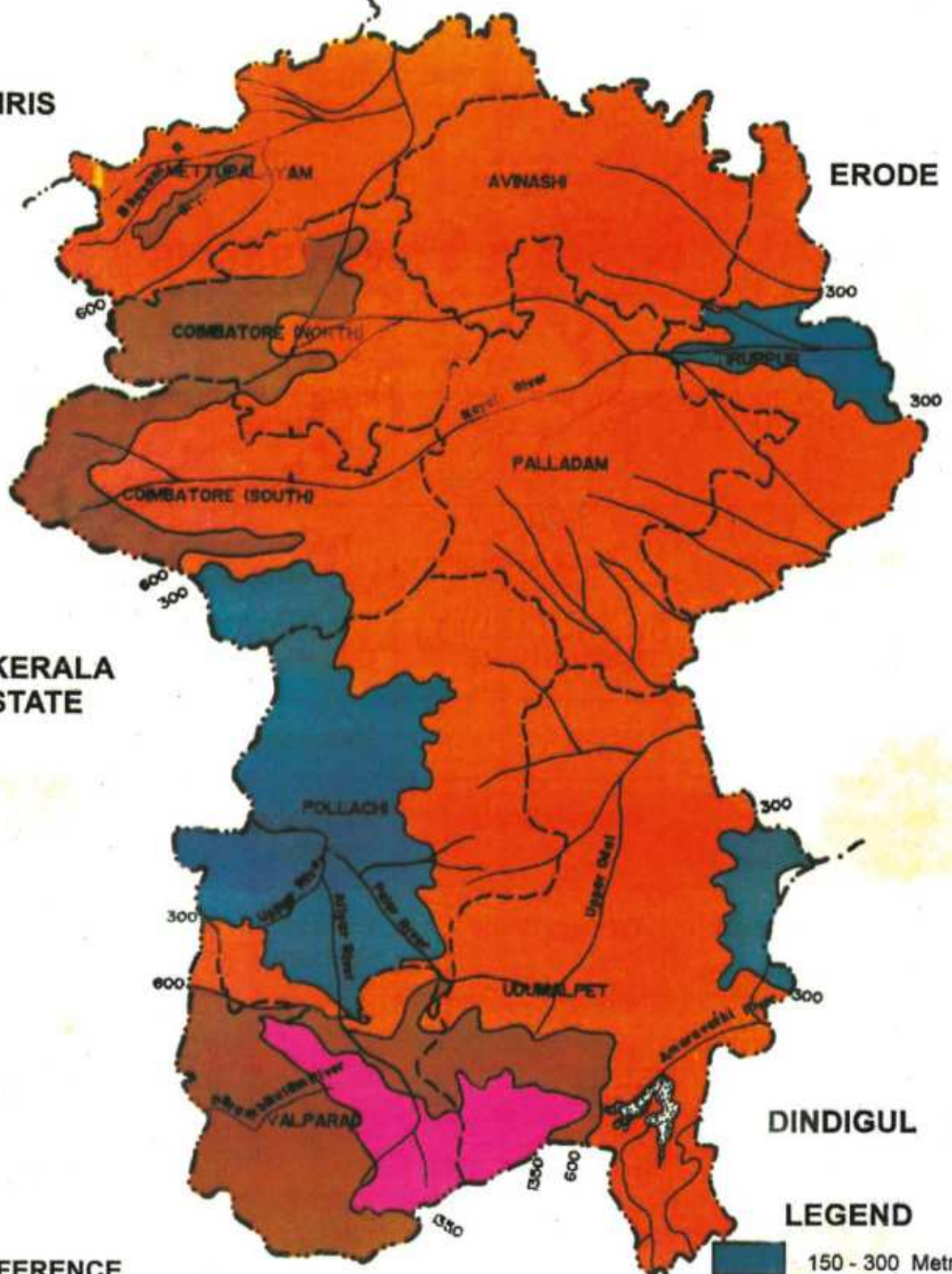
DINDIGUL

REFERENCE

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

LEGEND

-  150 - 300 Metres
-  300 - 600 "
-  600 - 1350 "
-  Above 1350 "



DRAINAGE & RIVER BASINS

Based on the physiography and relief, the district can be divided into the following river - basins.

River / Basin	Place of origin	Taluks passing through	Drainage
1. Amaravathi	Western Ghats	Udumalpet	Towards Cauvery
2. Upper Bhavani	Nilgiris	Mettupalayam	Towards Cauvery
3. Noyyal - Upper and Lower	Western Ghats	Coimbatore Tiruppur	Towards Cauvery
4. Palar, Uppar and Aliyar	Western Ghats	Pollachi Udumalpet	Towards Kerala

DRAINAGE & RIVER BASINS COIMBATORE DISTRICT



NILGIRIS

ERODE

KERALA
STATE

DINDIGUL



REFERENCE

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

LEGEND

- MAIN RIVER BASIN
- MINOR RIVER BASIN
- DRAINAGE COURSE

RAINFALL

Taluk	Mean annual rainfall	South west monsoon (Jun-Sep)		North east monsoon (Oct-Dec)		Winter (Jan-Feb)		Summer (Mar-May)	
	mm	mm	%	mm	%	mm	%	mm	%
1. Avinashi	720	214	29.7	324	45.0	10	1.4	172	23.9
2. Coimbatore North and South	640	182	28.4	314	49.1	12	1.9	132	20.6
3. Mettupalayam	797	146	18.3	407	51.1	54	6.8	190	23.8
4. Palladam and Tiruppur	524	110	21.0	264	50.3	16	3.1	134	25.6
5. Pollachi and Valparai	842	397	47.2	283	33.6	12	1.4	150	17.8
6. Udumalpet	573	130	22.7	290	50.6	20	3.5	133	23.2
Mean for the district	682.5	196.5	28.8	313.6	45.9	20.6	3.1	151.8	22.2

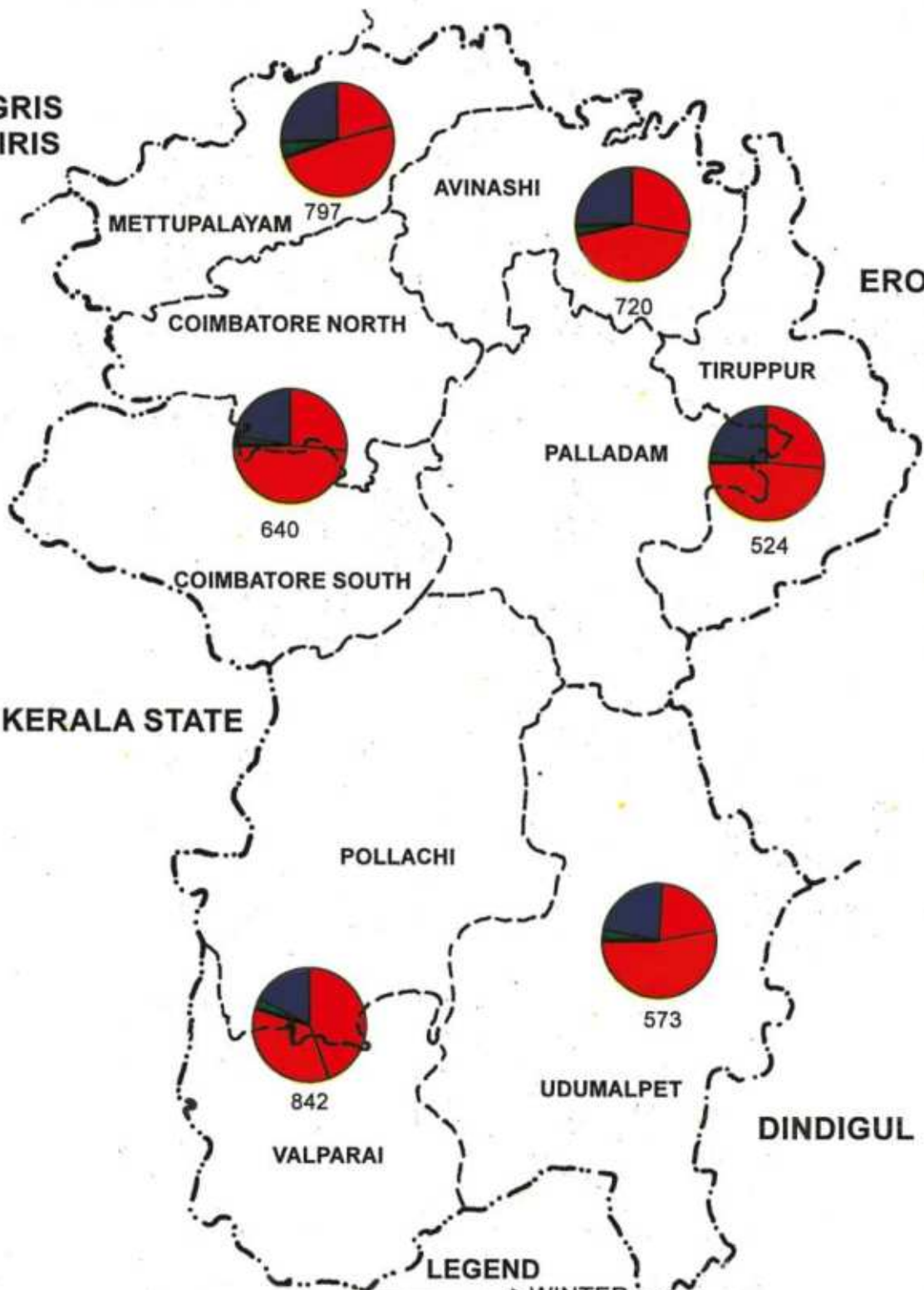
(Mean of the data from 1971 to 1996)

RAINFALL

COIMBATORE DISTRICT



NILGRIS
NILGIRIS

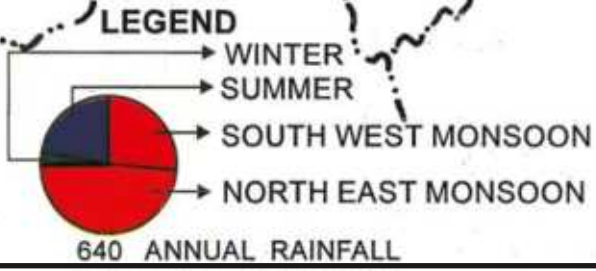


KERALA STATE

ERODE

DINDIGUL

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



TEMPERATURE

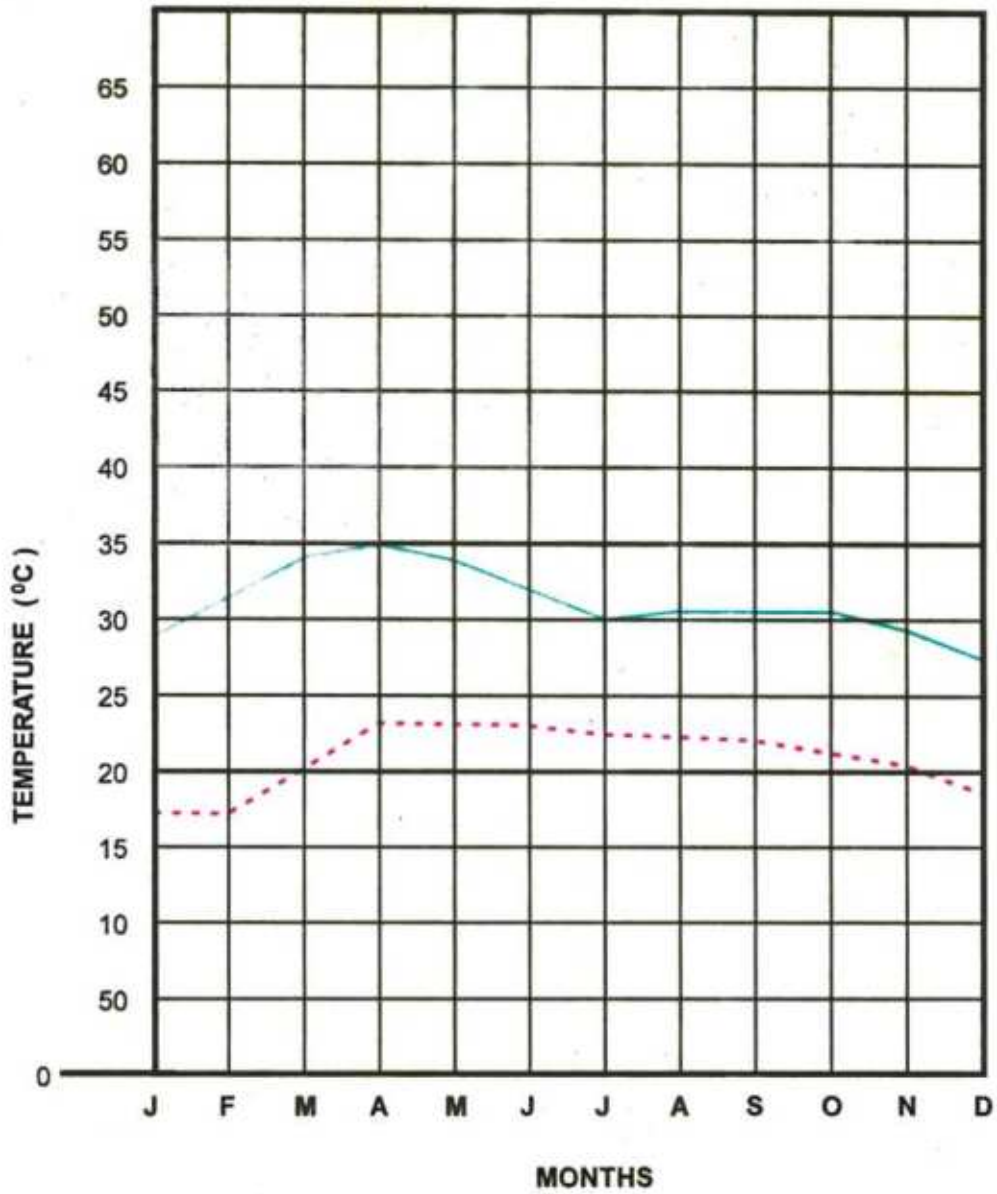
In Coimbatore district the hot months are March, April and May with maximum temperature ranging from 34°C to 35.1°C. The cool months are November, December and January with the temperature ranging from 17.8°C to 20.5°C. The temperature regime is isohyperthermic.

Month	Maximum °C	Minimum °C	Mean °C
1. January	29.0	17.8	23.4
2. February	31.5	18.3	24.9
3. March	34.3	20.1	27.2
4. April	35.1	23.0	29.0
5. May	34.0	23.1	28.5
6. June	31.8	23.0	27.4
7. July	30.1	22.3	26.2
8. August	30.7	22.4	26.5
9. September	31.3	21.8	26.5
10. October	30.8	21.3	26.1
11. November	29.3	20.5	24.9
12. December	27.1	18.7	22.9
Mean	31.25	21.03	26.13

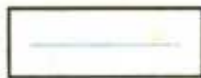
(Mean of the data form 1971 to 1996)

TEMPERATURE

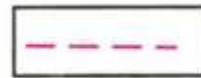
COIMBATORE DISTRICT



MAXIMUM



MINIMUM



OMBROTHERMIC DIAGRAM

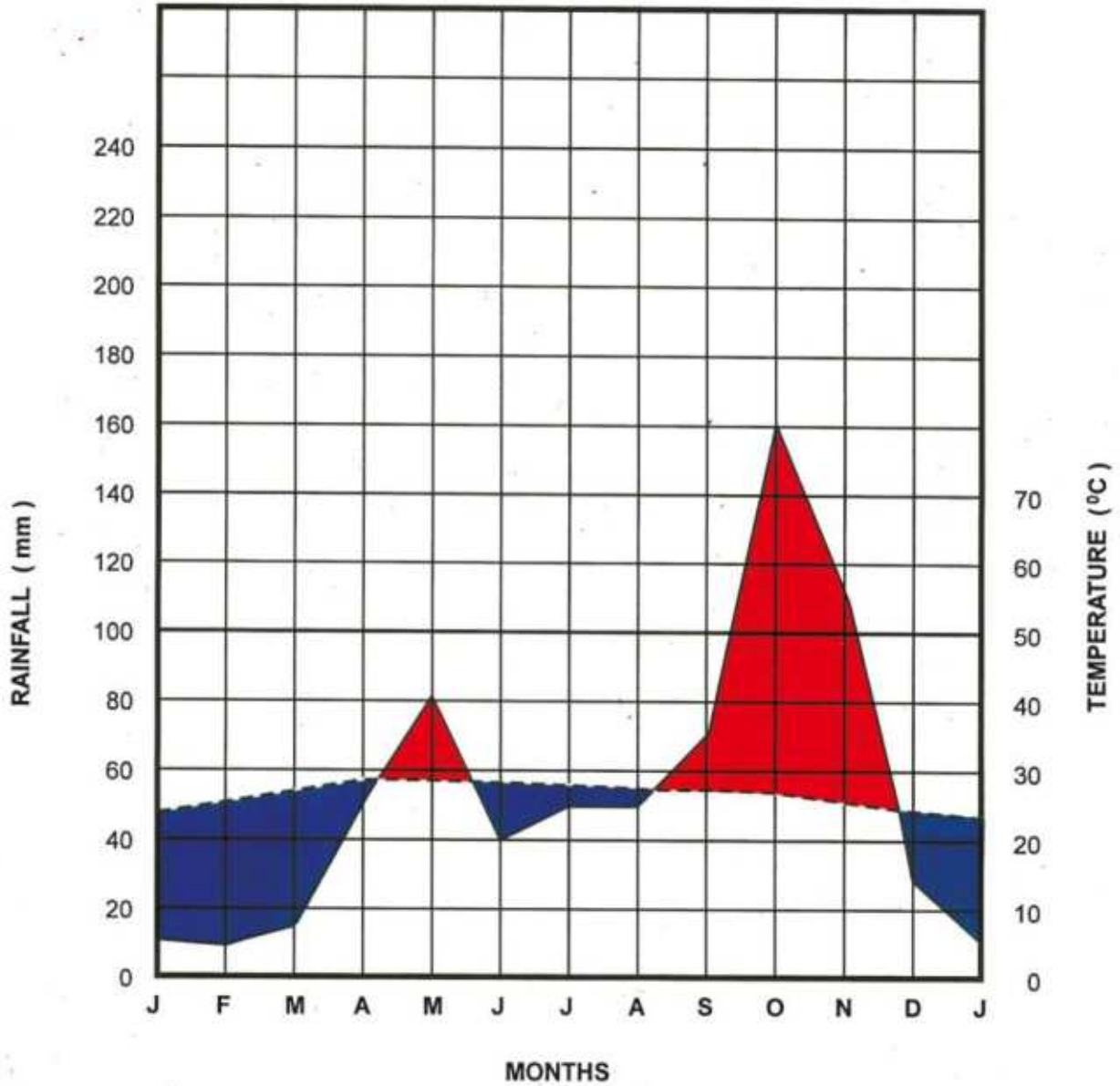
Month	Mean annual rainfall (mm)	Mean annual temperature (°C)
1. January	12.7	23.4
2. February	10.2	24.9
3. March	15.2	27.2
4. April	55.7	29.0
5. May	81.3	28.5
6. June	40.6	27.4
7. July	48.3	26.2
8. August	50.8	26.5
9. September	68.6	26.5
10. October	160.0	26.1
11. November	114.3	24.9
12. December	33.0	22.9


There are two spells of wet period namely i) April to May and ii) August to November. The second spell covering more than three months offer scope for crop cultivation successfully. However, the first spell requires supplementary irrigation for cultivation of short duration crops.

The moisture regime is generally ustic.

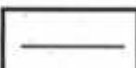
OMBROTHERMIC DIAGRAM


COIMBATORE DISTRICT



WET MONTHS 

DRY MONTHS 

RAINFALL (mm) 

TEMPERATURE (°C) 

LAND USE PATTERN

Land Use	Avinashi	Coimbatore North	Coimbatore South	Mettupalayam	Palladam	Pollachi	Tiruppur	Udumalpet	Valparai	Total
Total geographical area	66,390 ha (100.00)	59,083 ha (100.00)	77,383 ha (100.00)	64,545 ha (100.00)	88,265 ha (100.00)	116,603 ha (100.00)	63,887 ha (100.00)	143,679 ha (100.00)	66,964 ha (100.00)	7,46,799 ha (100.00)
1. Forests	—	16,505 (27.94)	20,084 (25.95)	28,997 (44.77)	—	96 (0.08)	—	46,602 (32.43)	46,288 (69.12)	1,58,472 (21.22)
2. Barren and uncultivable land	43 (0.06)	1,494 (2.53)	3,083 (3.98)	2,739 (4.24)	132 (0.15)	801 (0.70)	43 (0.07)	1,838 (1.28)	98 (0.15)	10,271 (1.38)
3. Land put to non - agricultural use	8,235 (12.40)	13,171 (22.29)	9,378 (12.12)	5,989 (9.28)	12,031 (13.63)	14,266 (12.23)	7,166 (11.23)	14,445 (10.05)	1,955 (2.92)	86,636 (11.60)
4. Cultivable waste	182 (0.27)	488 (0.83)	327 (0.42)	650 (1.01)	313 (0.36)	284 (0.24)	102 (0.16)	145 (0.10)	—	2,491 (0.33)
5. Permanent pastures and grazing lands	8 (0.01)	173 (0.29)	137 (0.18)	696 (1.08)	88 (0.10)	353 (0.30)	—	1 (-)	—	1,456 (0.20)
6. Tree crops and groves	37 (0.06)	550 (0.93)	477 (0.62)	381 (0.60)	45 (0.05)	129 (0.11)	73 (0.11)	91 (0.06)	2,581 (3.86)	4,364 (0.58)
7. Current fallows	10,965 (16.52)	6,275 (10.62)	15,060 (19.46)	5,224 (8.09)	37,825 (42.85)	21,630 (18.55)	28,145 (44.05)	22,717 (15.81)	1,885 (2.81)	1,49,726 (20.05)
8. Other fallows	2,388 (3.60)	1,791 (3.03)	556 (0.72)	2,320 (3.59)	2,069 (2.34)	18 (0.02)	2,443 (3.82)	1,412 (1.00)	—	12,997 (1.74)
9. Net area sown	44,532 (67.08)	18,636 (31.54)	28,281 (36.55)	17,649 (27.34)	35,762 (40.52)	79,026 (67.77)	25,915 (40.56)	56,428 (39.27)	14,157 (21.14)	3,20,386 (42.90)

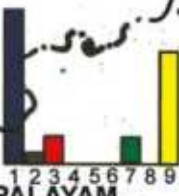


LAND USE PATTERN

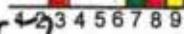
COIMBATORE DISTRICT

NILGIRIS

METTUPALAYAM

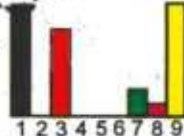


AVINASHI



ERODE

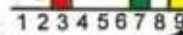
COIMBATORE NORTH



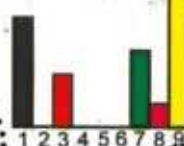
PALLADAM



TIRUPPUR



COIMBATORE SOUTH



KERALA STATE

POLLACHI



UDUMALPET

DINDIGUL



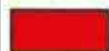
VALPARAI



REFERENCE

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

LEGEND

- | | | |
|--|--|--|
|  1 FOREST LAND |  4 CULTIVABLE WASTE |  7 CURRENT FALLOWS |
|  2 BARREN UNCULTIVABLE LAND |  5 PASTURE LAND |  8 FALLOW LAND OTHER THAN CURRENT FALLOWS |
|  3 UNCULTIVABLE LAND NON AGRICULTURE USE |  6 MISCELLANEOUS TREES AND GROVES |  9 NET AREA SOWN |

FORESTS

The total forest area of the district is 1,58,472 ha which accounts for 21.22 per cent of the total geographical area. The forests are of two types.

- a) Tropical wet evergreen forests and b) Tropical moist deciduous forests.

Taluk	Area	
	ha	%
1. Avinashi	—	—
2. Coimbatore North	28,897	18.23
3. Coimbatore South	16,505	10.42
4. Mettupalayam	20,084	12.67
5. Palladam	—	—
6. Pollachi	—	—
7. Tiruppur	96	0.06
8. Udumalpet	46,602	29.41
9. Valparai	46,288	29.21
Total	1,58,472	100.00



FOREST COIMBATORE DISTRICT

NILGIRIS

METTUPALAYAM

AVINASHI

ERODE

COIMBATORE (NORTH)

TIRUPPUR

COIMBATORE (SOUTH)

PALLADAM

KERALA
STATE






POLLACHI

UDUMALPET

DINDIGUL

VALPARAI

REFERENCE

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

LEGEND



TROPICAL WET EVERGREEN FORESTS



TROPICAL MOIST DECIDUOUS FORESTS

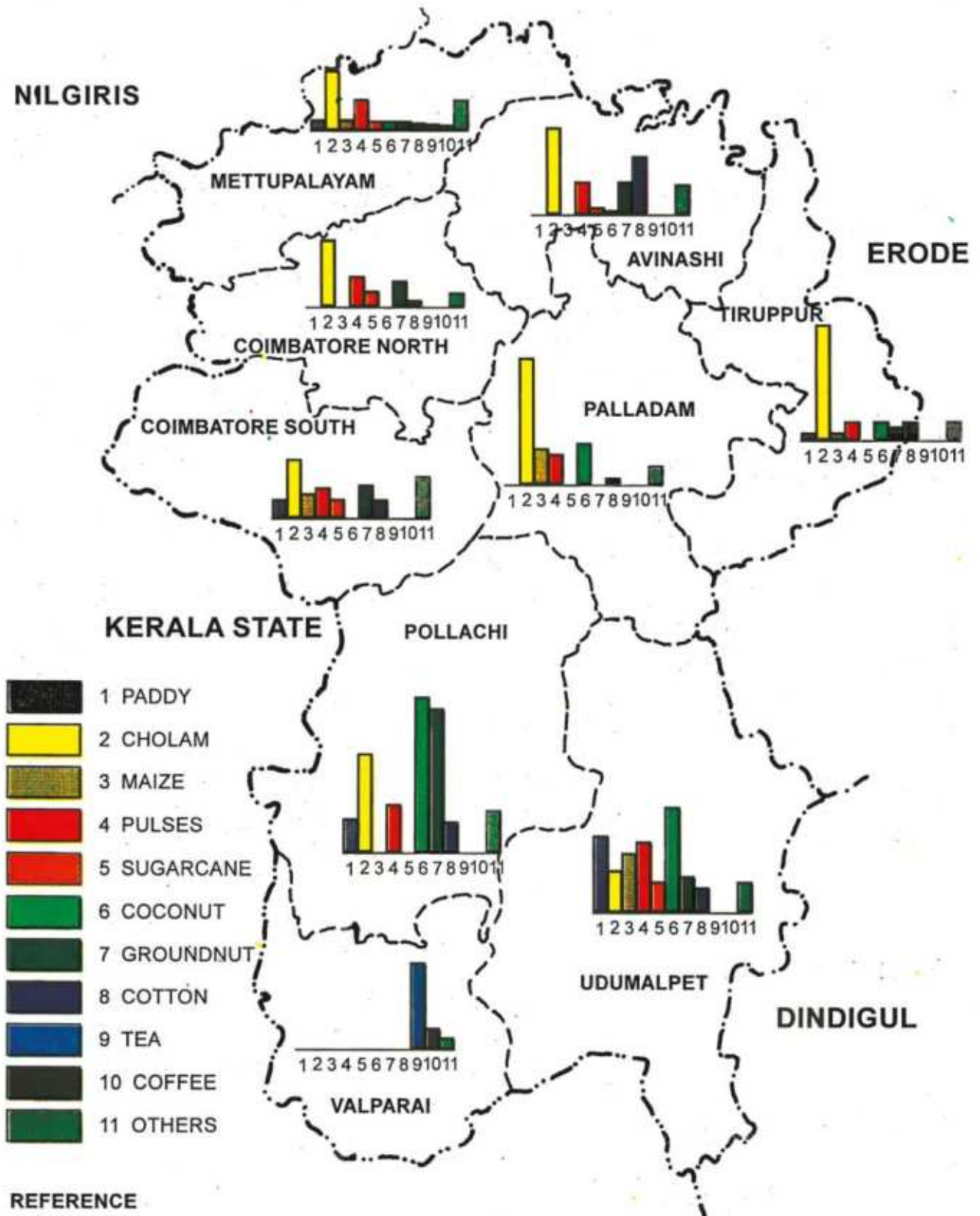
CROP AREA

Crop	Area in hectares											Total
	Avinashi	Coimbatore North	Coimbatore South	Mettupalayam	Palladam	Pollachi	Tiruppur	Udumalpet	Vaiparai			
1. Paddy	210	35	1000	337	86	5333	727	9672	—			17400
2. Cholam	11610	10010	7130	7035	17287	13109	15330	5090	—			86601
3. Maize	109	552	1819	606	4631	949	646	7771	—			17083
4. Pulses	4035	2459	2847	4185	3957	6161	2596	8983	—			35223
5. Sugarcane	1096	1363	1946	548	142	677	49	3961	—			9782
6. Coconut	798	—	—	—	5677	36755	2149	14243	—			59622
7. Groundnut	4182	1569	4005	308	181	18572	1298	5005	—			35120
8. Cotton	7104	766	1463	298	929	4175	1821	2020	—			18580
9. Tobacco	280	—	—	502	411	6	170	35	—			1404
10. Tea	—	—	—	—	—	—	—	—	10657			10657
11. Cumbu	4	2	8	368	16	269	2	41	—			710
12. Ragi	7	45	95	120	—	3	6	163	—			439
13. Onion	83	11	285	22	122	254	449	700	—			1926
14. Condiments & Spices	666	176	1395	1066	785	1286	462	746	964			7546
15. Other fruits, Vegetable & rootcrops	2634	892	2894	2262	1443	3855	992	2167	21			17160
16. Coffee	—	—	—	—	—	—	—	—	2537			2537
Total	32,818	17,880	24,887	17,657	35,667	91,408	26,697	60,597	14,179			3,21,790



CROP AREA

COIMBATORE DISTRICT



REFERENCE

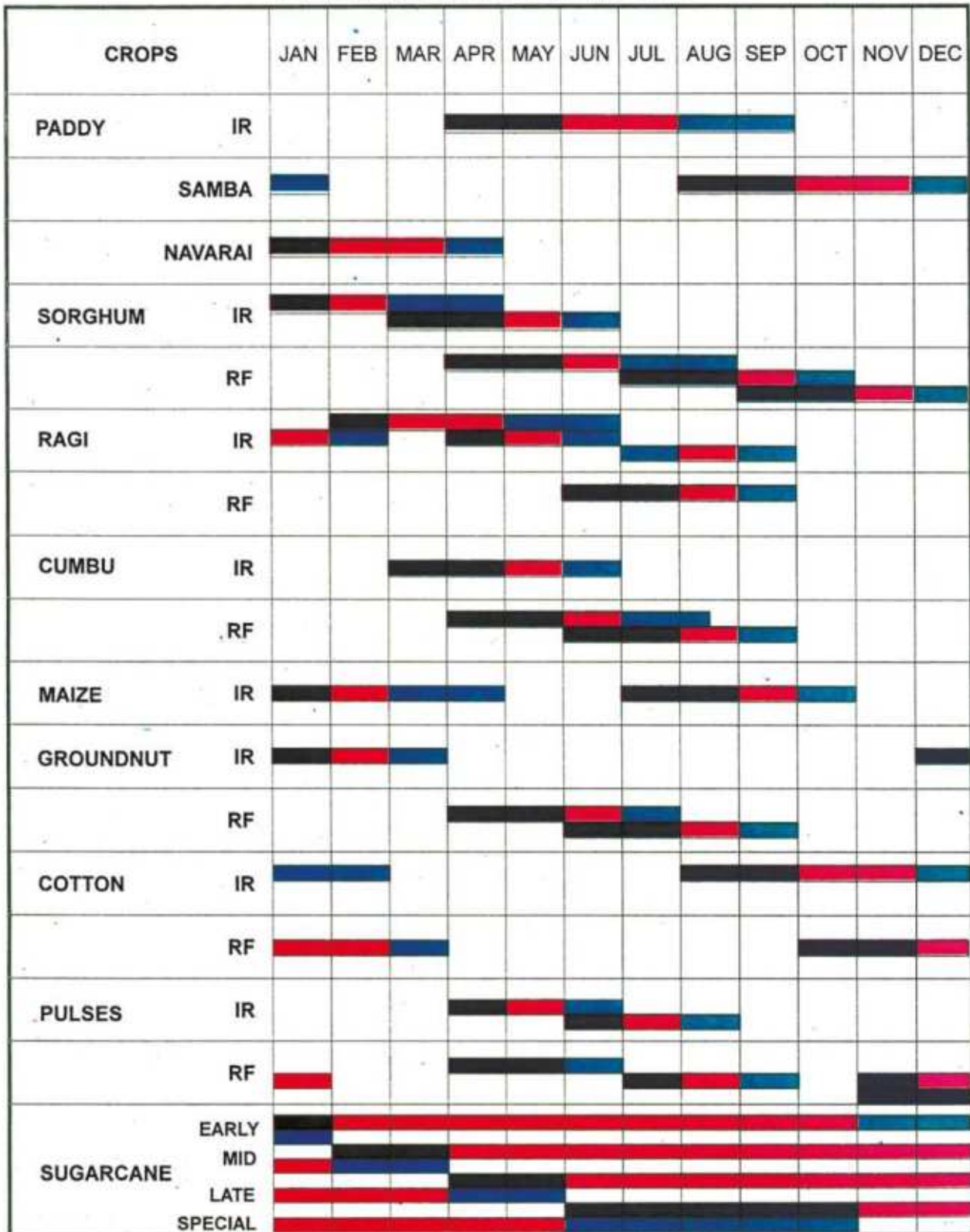
- State boundary - - - - -
- District boundary - - - - -
- Taluk boundary - - - - -

CROPPING CALENDAR

The major crops cultivated in the district are sorghum, groundnut, ragi, cumbu, paddy, maize, cotton, pulses and sugarcane. The phenologic seasons of the important crops are given in the chart indicating the various stages of crops during different months.

CROPPING CALENDAR

COIMBATORE DISTRICT



SOWING STAGE
 VEGETATIVE STAGE
 HARVEST STAGE

IR - IRRIGATED

RF - RAINFED

SOURCES OF IRRIGATION

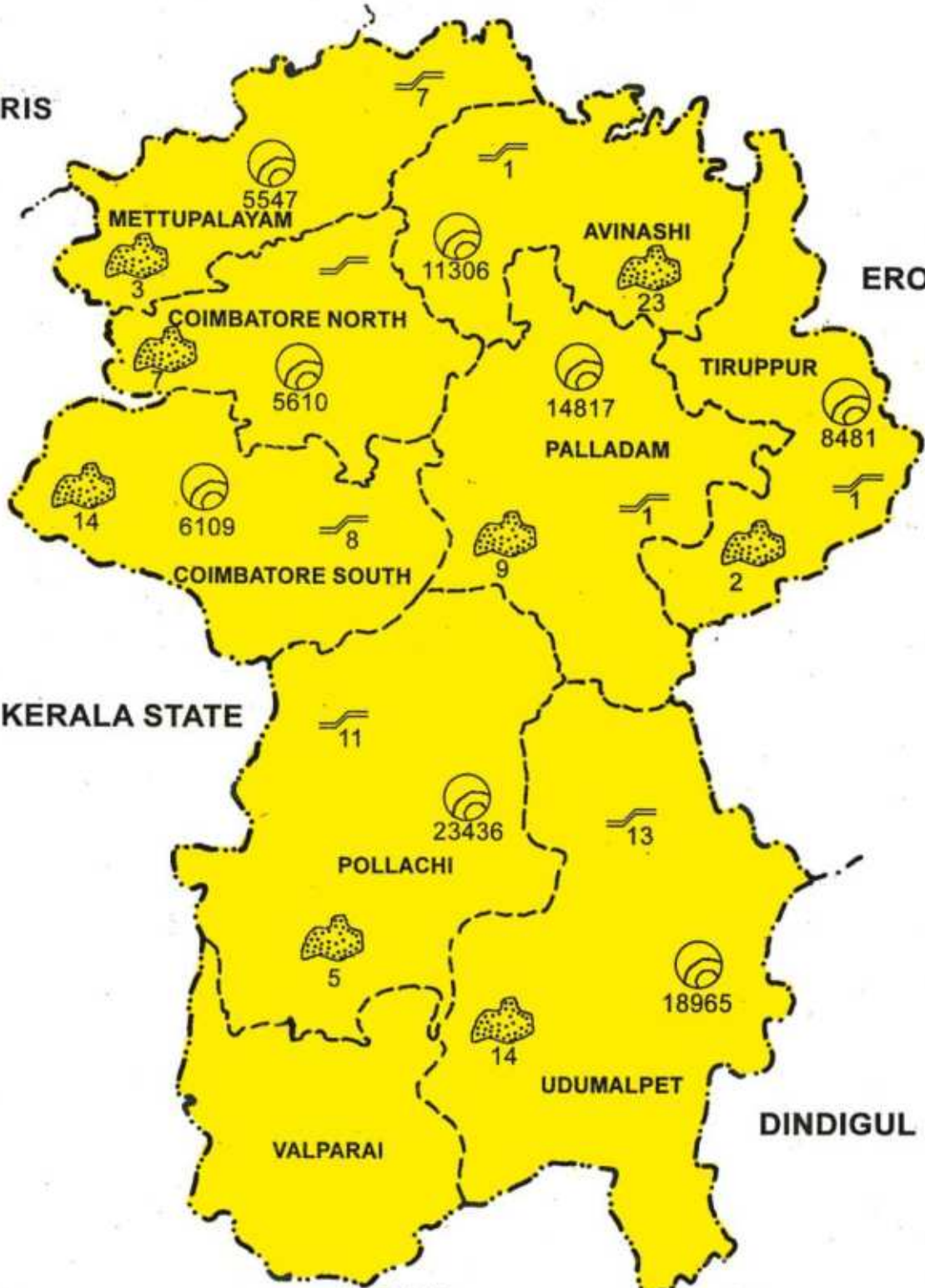
Taluk	Tanks (Nos)	Canals (Nos)	Wells (Nos)
1. Avinashi	23	1	11,306
2. Coimbatore North	7	—	5,610
3. Coimbatore South	14	8	6,109
4. Mettupalayam	3	7	5,547
5. Palladam	9	1	14,817
6. Pollachi	5	11	23,436
7. Tiruppur	2	1	8,481
8. Udumalpet	14	13	18,965
9. Valparai	—	—	—
Total	77	42	94,271

SOURCES OF IRRIGATION

COIMBATORE DISTRICT



NILGIRIS



ERODE

KERALA STATE

DINDIGUL

REFERENCE

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

LEGEND

- WELL
- TANK
- CANAL

AGRICULTURAL INSTITUTIONS

Taluk	Regulated Market	State Seed Farm	Seed Processing unit	Krishi Vigyan -kendra	Research Station	University	Agrl. Extension Centre	Agricultural Department Laboratory
1. Avinashi	3	—	12	—	—	—	2	—
2. Coimbatore North	1	—	2	1	—	1	2	6
3. Coimbatore South	—	—	17	—	—	—	3	—
4. Mettupalayam	1	—	—	—	1	—	1	—
5. Palladam	4	2	12	—	—	—	3	—
6. Pollachi	4	—	2	—	1	—	4	—
7. Tiruppur	1	—	1	—	—	—	2	—
8. Udumalpet	3	1	8	—	—	—	3	—
9. Valparai	—	—	—	—	—	—	—	—
Total	17	3	54	1	2	1	20	6



AGRICULTURAL INSTITUTIONS

COIMBATORE DISTRICT

NILGIRIS

METTUPALAYAM

AVINASHI

ERODE

COIMBATORE (NORTH)

TIRUPPUR

COIMBATORE (SOUTH)

PALLADAM

KERALA STATE

POLLACHI

UDUMALPET

VALPARAI

DINDIGUL

REFERENCE

State boundary

District boundary

Taluk boundary

LEGEND

△ REGULATED MARKET

□ STATE SEED FARM

○ SEED PROCESSING UNIT

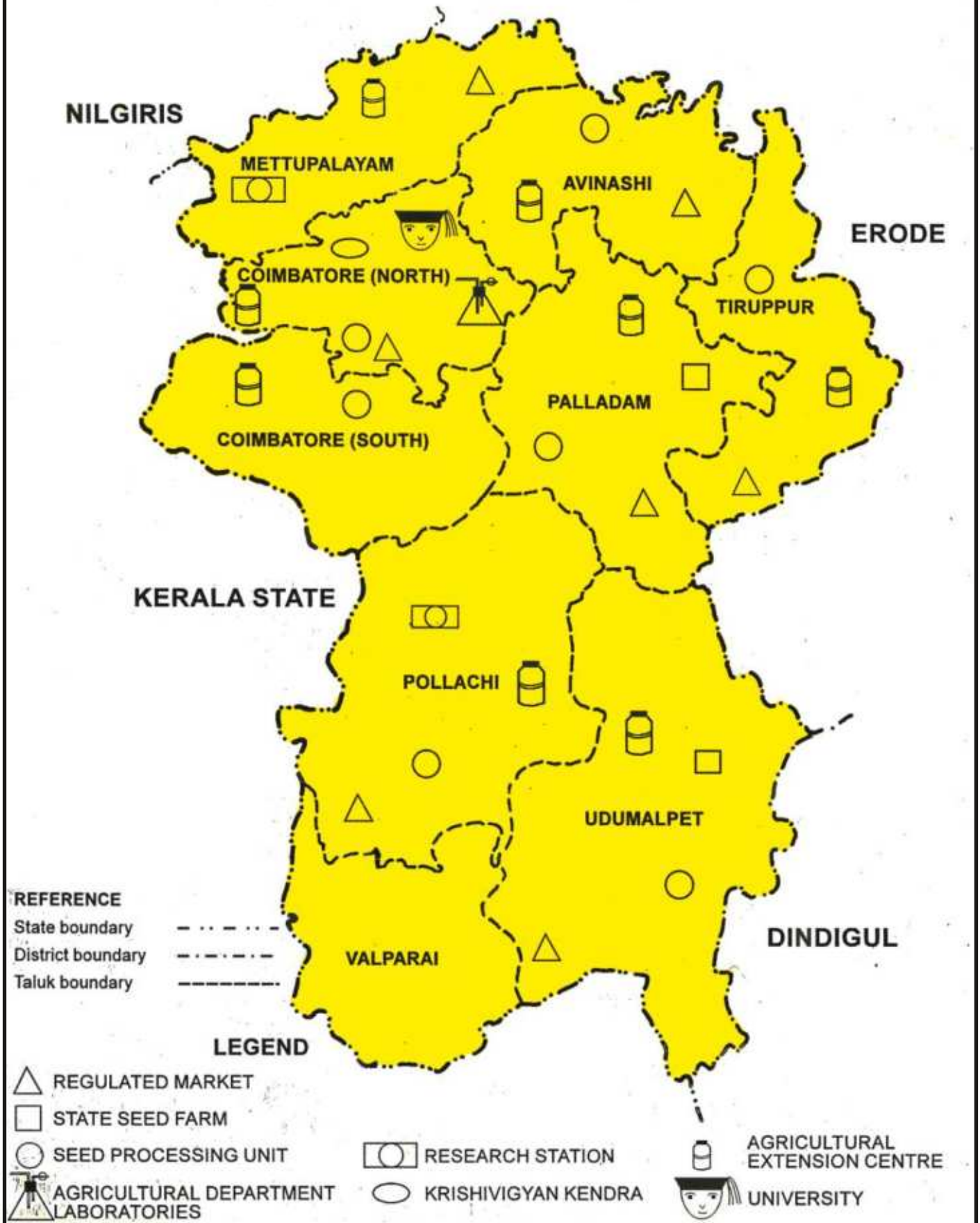
🔬 AGRICULTURAL DEPARTMENT LABORATORIES

◻ RESEARCH STATION

◌ KRISHIVIGYAN KENDRA

🏠 AGRICULTURAL EXTENSION CENTRE

👤 UNIVERSITY



AGRO INDUSTRIES

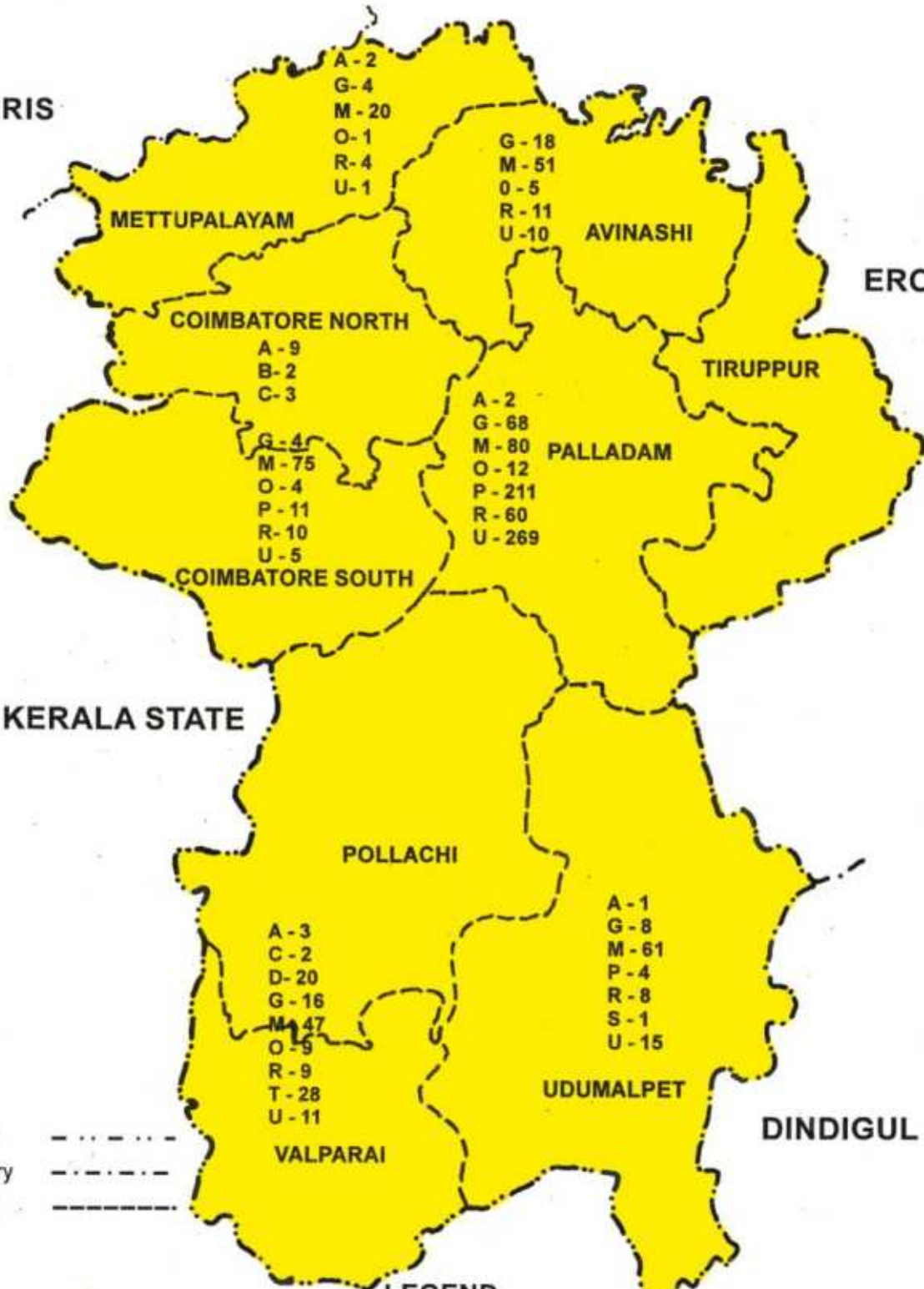
Industry	Avinashi	Coimbatore (North & South)	Mettu- palayam	Palladam & Tiruppur	Pollachi & Valparai	Udumalpet	Total
1. Agro chemical Industries	—	9	2	2	3	1	17
2. Betelnut curing	—	2	—	—	—	—	2
3. Coffee works	—	3	—	—	2	—	5
4. Coir industries	—	—	—	—	20	—	20
5. Ginning factory	18	4	4	68	16	8	118
6. Milk society	51	75	20	80	47	61	334
7. Oil mills	5	4	1	12	9	—	31
8. Poultry	—	11	—	211	—	4	226
9. Rice mills	11	10	4	60	9	8	102
10. Sugar mills	—	—	—	—	—	1	1
11. Tea factory	—	—	—	—	28	—	28
12. Textile mills	10	5	1	269	11	15	421



AGRO INDUSTRIES

COIMBATORE DISTRICT

NILGIRIS



ERODE

KERALA STATE

DINDIGUL

REFERENCE

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

LEGEND

- A - AGRO CHEMICAL INDUSTRIES
- B - BETELNUT CURING
- C - COFFEE WORKS
- D - COIR INDUSTRIES
- G - GINNING FACTORY
- M - MILK SOCIETY
- O - OIL MILLS
- P - POULTRY
- R - RICE MILLS
- S - SUGAR MILLS
- T - TEA FACTORY
- U - TEXTILE MILLS

ANIMAL HUSBANDRY INSTITUTIONS

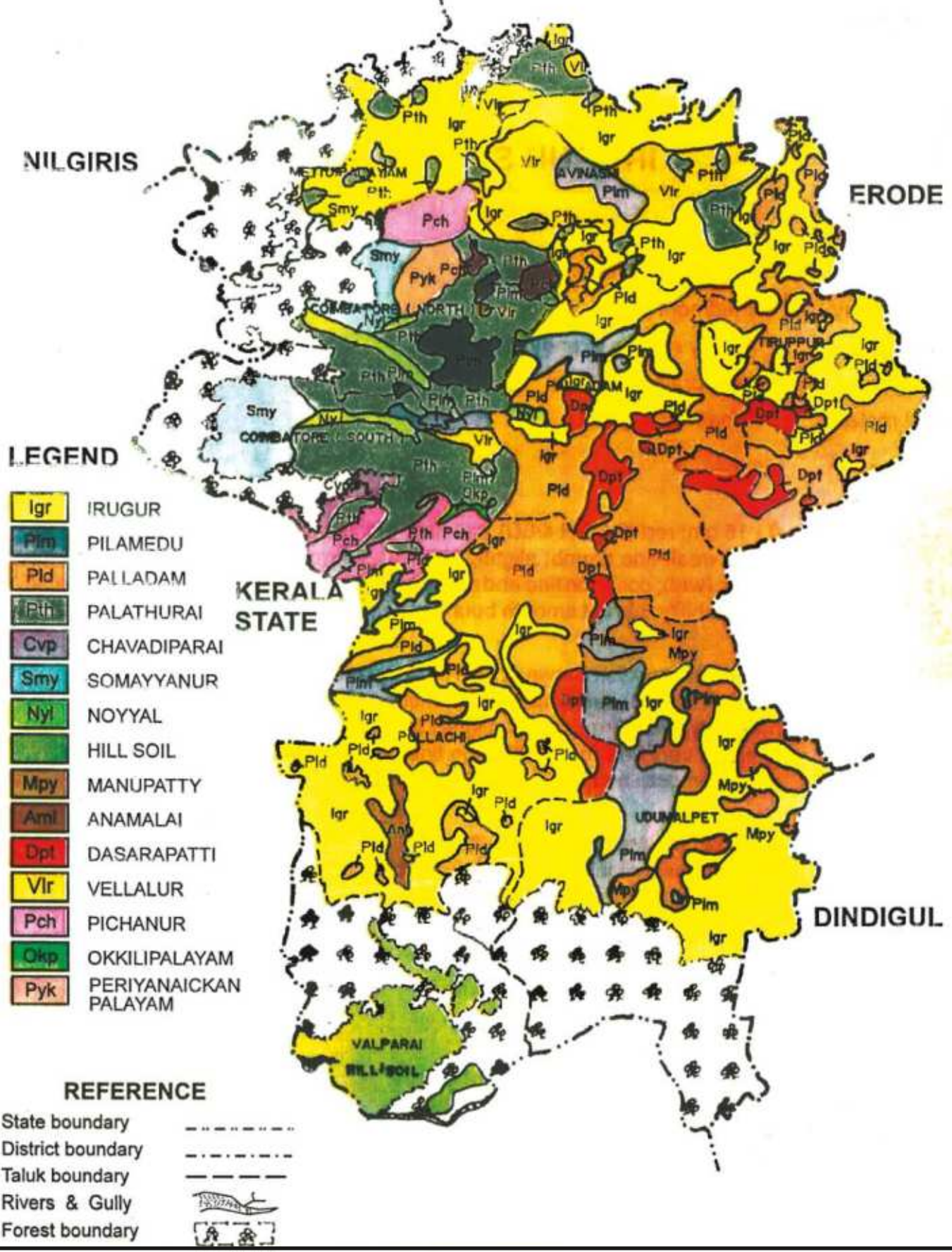
Taluk	No of Hospital and Dispensaries
Avinashi	4
Coimbatore North	4
Coimbatore South	10
Mettupalayam	3
Palladam	6
Pollachi	11
Tiruppur	5
Udumalpet	8
Valparai	1
Total	52

SOILS

Soil series	Symbol	Extent	
		ha	%
1. Irugur	Igr	2,15,405	28.84
2. Palladam	Pld	1,22,965	16.47
3. Palathurai	Pth	59,920	8.02
4. Pilamedu	Plm	42,914	5.74
5. Manupatty	Mpy	30,461	4.08
6. Vellalur	Vlr	24,089	3.23
7. Pichanur	Pch	20,280	2.72
8. Dasarapatti	Dpt	18,913	2.53
9. Somayyanur	Smy	17,847	2.39
10. Noyyal	Nyl	5,856	0.78
11. Periyanaickenpalayam	Pyk	4,075	0.55
12. Anamalai	Aml	2,918	0.39
13. Okkilipalayam	Okp	1,095	0.15
14. Chavadiparai	Cvp	913	0.12
15. Forests		1,58,472	21.22
16. Hill soils		20,676	2.77
Total		7,46,799	100.00



SOILS COIMBATORE DISTRICT



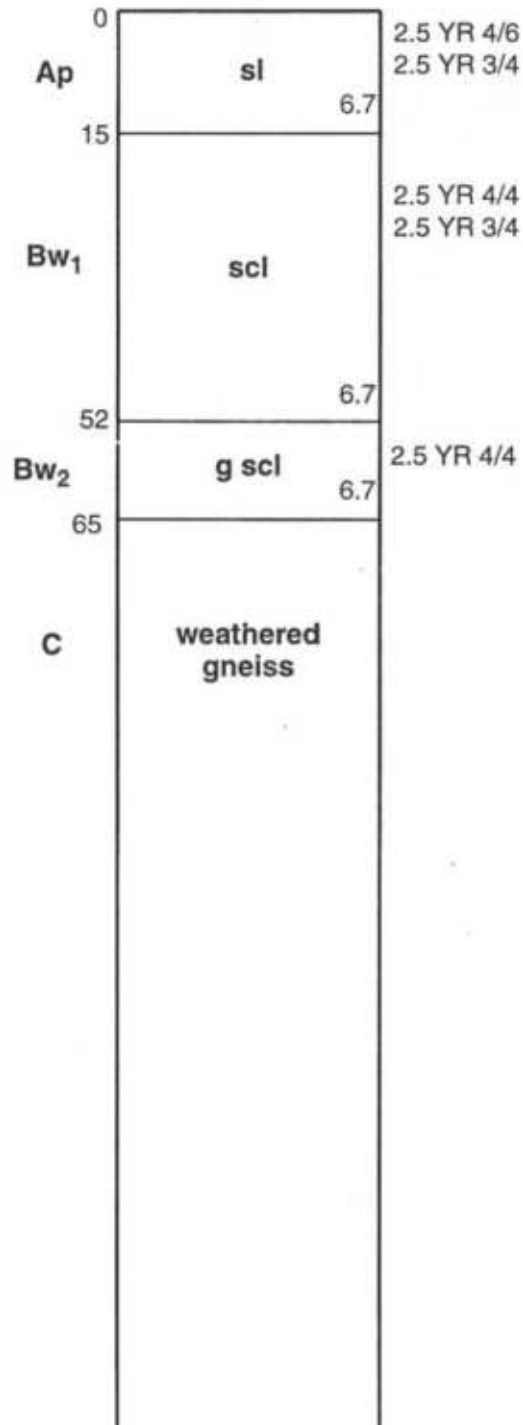
IRUGUR SERIES (lgr)

Location : A.G. Pudur, Irugur village
Physiography : Piedmont plain
Topography : Gently sloping to undulating
Drainage : Well drained
Parent material : Weathered gneiss

Horizon	Description
Ap	0 - 15 cm; red (2.5 YR 4/6D) and dark reddish brown (2.5 YR 3/4 M) ; sandy loam; weak fine crumb; slightly hard (dry), firm (moist), non sticky and non plastic (wet); common fine and many medium roots; common fine pores; rapid permeability; abrupt smooth boundary, p ^H - 6.7.
BW ₁	15 - 52cm; reddish brown (2.5 YR 4/4 D) and dark reddish brown (2.5 YR 3/4 M); sandy clay loam; moderate fine subangular blocky; slightly hard (dry), very firm (moist), slightly sticky and slightly plastic (wet); common fine and very fine roots; common fine pores; moderately rapid permeability; abrupt smooth boundary; p ^H - 6.7.
BW ₂	52 - 65cm; reddish brown (2.5 YR 4/4 M); Gravelly sandy clay loam; structureless; slightly hard (dry), firm (moist); non sticky and non plastic (wet); common fine pores; rapid permeability; gradual wavy boundary; p ^H 6.7.
C	65cm+ ; weathered gneiss.

IRUGUR SERIES

Igr



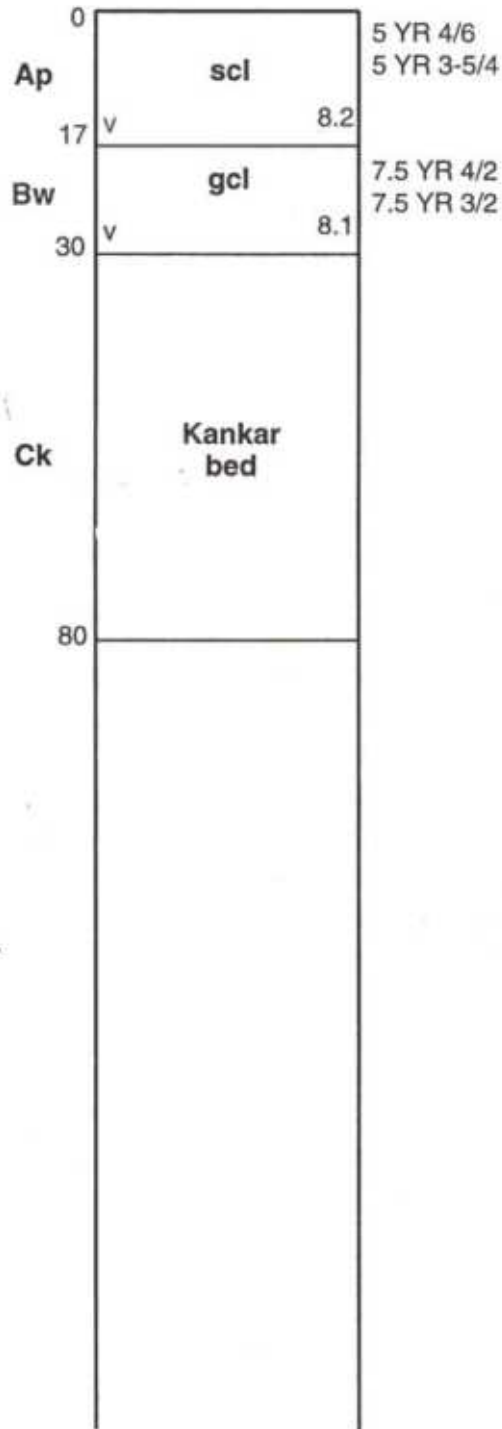
PALLADAM SERIES (Pld)

- Location : On the Coimbatore to Palladam road at the kilometer stone 330 / 6 on the left side field about 50m north of the road.
- Physiography : Undulating upland
- Topography : Undulating
- Drainage : Well drained
- Parent material : Weathered calcareous gneiss

Horizon	Description
Ap	0 - 17cm; yellowish red (5 YR 4/6 D) and reddish brown to dark reddish brown (5 YR 3.5 / 4 M); sandy clay loam; weak medium subangular blocky; slightly hard (dry), firm (moist), slightly sticky and slightly plastic (wet); abundant small round to irregular hard calcium carbonate; common fine and many very fine roots; common fine pores; rapid permeability; clear smooth boundary; p ^H 8.2.
Bw	17 - 30 cm; brown to dark brown (7.5 YR 4/2 D) and dark brown (7.5 YR 3/2 M); gravelly clay loam; weak medium sub angular blocky; slightly hard (dry), firm (moist); sticky and plastic (wet); abundant small round to irregular hard calcium carbonate; very few very fine roots; common fine pores; moderately rapid permeability; clear wavy boundary; p ^H 8.1.
Ck	30 - 80cm; kankar bed.

PALLADAM SERIES

P1d



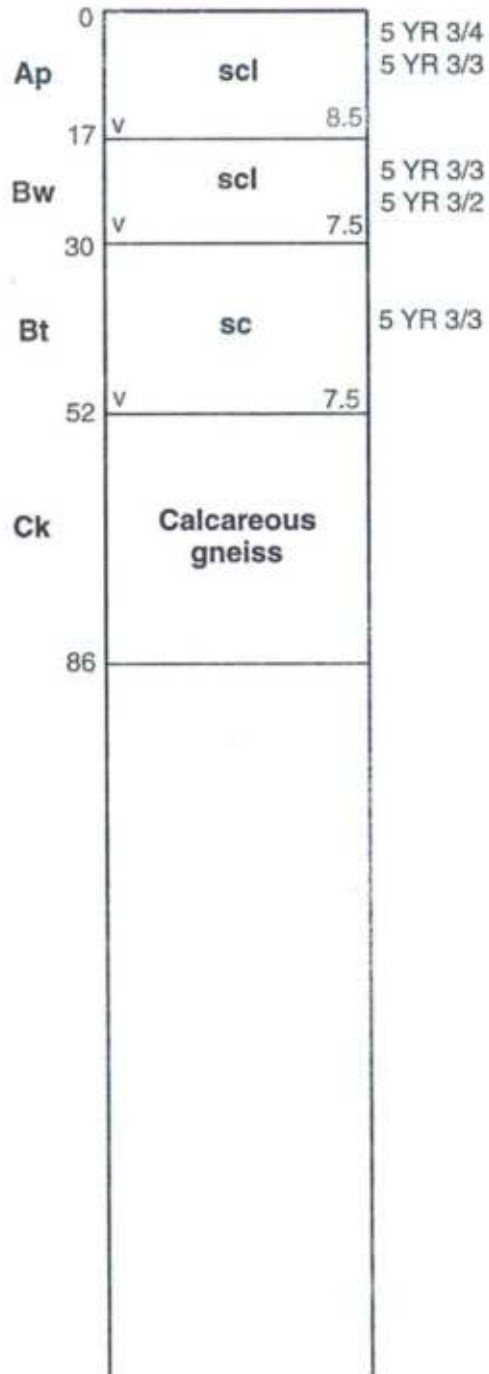
PALATHURAI SERIES (Pth)

- Location : About 0.6km west of Coimbatore to Mettupalayam road behind Krishnanagar
- Physiography : Very gently sloping lands
- Topography : Level land to slightly sloping
- Drainage : Well drained
- Parent material : Calcareous gneiss

Horizon	Description
Ap	0 -17cm; dark reddish brown (5 YR 3/4 D) and dark reddish brown (5 YR 3/3 M); sandy clay loam; weak fine sub angular blocky; slightly hard (dry), friable to firm (moist), sticky and plastic (wet); very few small round to irregular hard calcium carbonate; very few to few fine to medium roots; common fine pores; moderately rapid permeability; clear smooth boundary; p ^H 8.5.
B _w	17 - 30cm; dark reddish brown (5 YR 3/3 D) and dark reddish brown (5 YR 3/2 M); sandy clay loam; weak medium sub angular blocky; slightly hard (dry), firm (moist), sticky and plastic (wet), very few small round to irregular hard calcium carbonate; very few fine roots; common fine and medium pores; moderately rapid permeability; abrupt smooth boundary; p ^H 7.5.
Bt	30 - 52cm; dark reddish brown (5 YR 3/3 M); sandy clay; thin to thick continuous clay films; moderate medium sub angular blocky; hard (dry), firm (moist) sticky and plastic (wet), thin patchy clay films on ped faces; few small round to irregular hard calcium carbonate; very few very fine roots; common fine and medium pores; moderately rapid permeability; clear smooth boundary; p ^H 7.5.
Ck	52 - 86cm; calcareous gneiss.

PALATHURAI SERIES

Pth



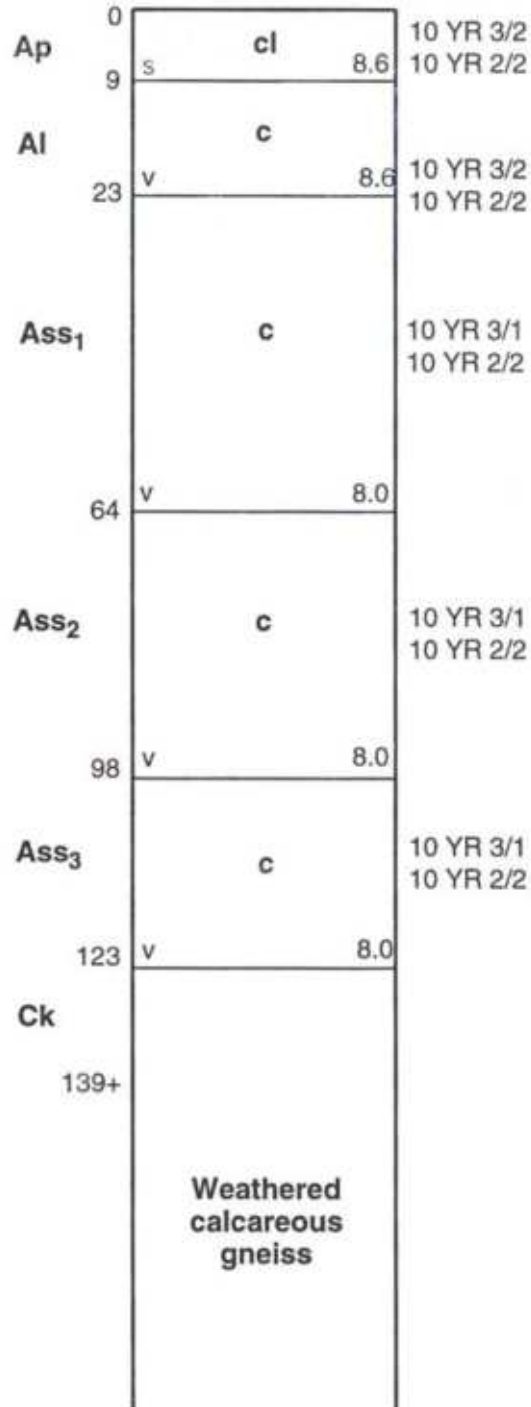
PILAMEDU SERIES (P1m)

Location	:	About 150 feet west of Mylampatty road and 0.3km north of Avinashi road.
Physiography	:	Very gently sloping lands
Topography	:	Plain
Drainage	:	Moderately drained
Parent material	:	Weathered calcareous gneiss

Horizon	Description
Ap	0 - 9 cm; very dark grayish brown (10 YR 3/2 D) and very dark brown (10 YR 2/2 M); clay loam; moderate medium subangular blocky; slightly hard (dry), firm (moist), sticky and plastic (wet); few round to irregular 1cm to 5cm hard calcium carbonate concretions; few medium and coarse, many fine roots; common medium and fine pores; moderately slow permeability; clear smooth boundary; p^H - 8.6.
Al	9 - 23cm; very dark grayish brown (10 YR 3/2 D) and very dark brown (10 YR 2/2 M) ; clay; moderate medium subangular blocky; slightly hard (dry), firm (moist); sticky and plastic (wet); violent effervescence, common fine roots; common medium and fine pores; moderately slow permeability; clear smooth boundary; p^H - 8.6.
Ass ₁	23 - 64 cm; very dark gray to very dark brown (10 YR 3/1D) and very dark brown (10 YR 2/2 M) ; clay; strong coarse subangular blocky to angular blocky; hard (dry), firm (moist), very sticky and very plastic (wet), prominent slicken sides; few to common fine roots; few medium and fine pores; slow permeability; diffuse smooth boundary; p^H - 8.0.
Ass ₂	64 - 98cm; very dark gray to very dark brown (10 YR 3/1D) and very dark brown (10 YR 2/2 M) ; clay; strong coarse subangular blocky to angular blocky; hard (dry), firm (moist), very sticky and very plastic (wet), prominent slicken sides, few to common fine roots; few medium and fine pores; slow permeability; diffuse smooth boundary, p^H - 8.0.
Ass ₃	98 - 123cm; very dark gray to very dark brown (10 YR 3/1D) and very dark brown (10 YR 2/2 M); clay; strong coarse subangular blocky to angular blocky; hard (dry), firm (moist), very sticky and very plastic (wet), violent effervescence ; few fine roots; few medium, and fine pores; slow permeability; gradual wavy boundary; p^H - 8.0.
Ck	123 - 139cm; weathered calcareous gneiss.

PILAMEDU SERIES

Plm



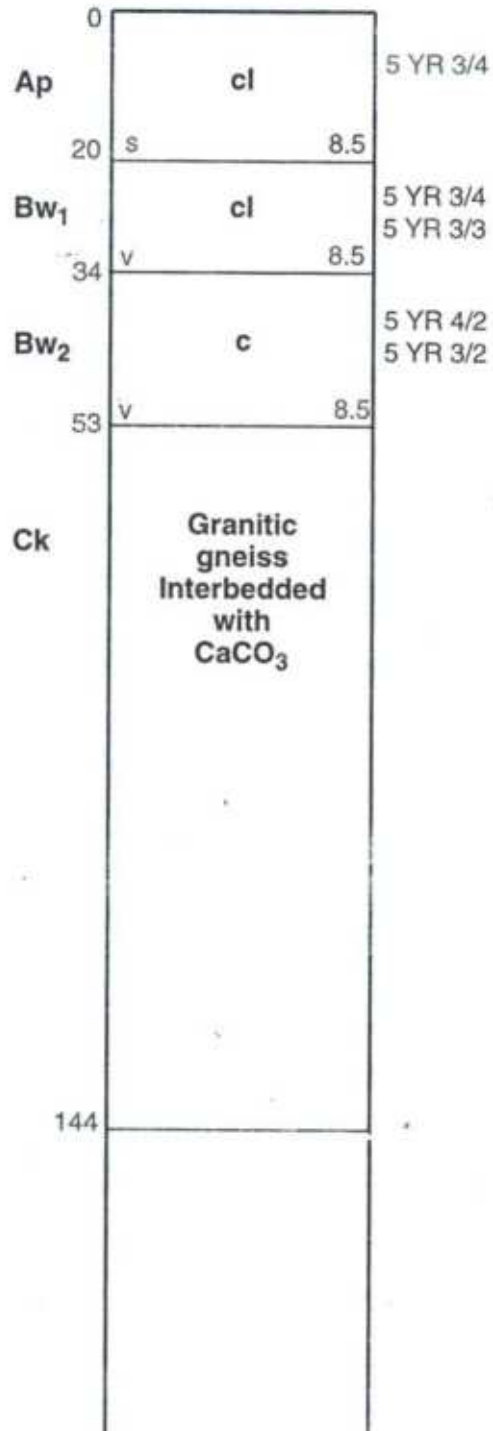
MANUPATTY SERIES (Mpy)

- Location : About 100 feet east of Udumalpet to Palladam road near km stone '9'.
Physiography : Very gently sloping
Topography : convex slope
Drainage : Moderately well drained
Parent material : Granitic gneiss with calcium carbonate

Horizon	Description
Ap	0 - 20 cm; dark reddish brown (5 YR 3/4 DM); clay loam; weak to moderate medium subangular blocky; hard (dry), firm (moist), sticky and plastic (wet); few medium and many fine roots; few medium and many fine pores; moderately rapid permeability; abrupt smooth boundary; p ^H 8.5.
Bw ₁	20 - 34 cm; dark reddish brown (5 YR 3/4 D) and dark reddish brown (5YR3/3M); clay loam; moderate medium subangular blocky; hard (dry), firm (moist), very sticky and very plastic (wet); few medium and common fine roots; common fine pores; moderately rapid permeability; clear smooth boundary; p ^H 8.5.
Bw ₂	34 - 53 cm; dark reddish brown (5 YR 4/2 D) and dark reddish brown (5YR3/2M); clay; strong coarse subangular blocky; common fine and very fine roots; common few pores; moderately rapid to moderately slow permeability; gradual wavy boundary, p ^H 8.5.
Ck	53 - 144 cm; granitic gneiss interbedded with calcium carbonate.

MANUPATTY SERIES

Mpy



VELLALUR SERIES (Vlr)

Location	:	About 0.4km east of Annur road and 0.2km south of Kurumbapalyam to Pachapalayam road.
Physiography	:	Very gently sloping lands
Topography	:	Plain
Drainage	:	Moderately well drained
Parent material	:	Weathered gneiss

Horizon		Description
Ap		0 - 8 cm; reddish brown (2.5 YR 4/6) to red (2.5 YR 4/6 D) and dark red (2.5 YR 3/6 M) ; clay loam, weak fine subangular blocky; loose to slightly hard (dry), friable to firm (moist), sticky and plastic (wet), few to common fine roots; common fine pores; moderately rapid permeability; clear smooth boundary; p ^H 7.5.
A ₁		8 - 21cm; dark red (2.5 YR 3/6 D) and dark reddish brown (2.5 YR 3/4 M) ; sandy clay loam; weak fine subangular blocky, slightly hard (dry), firm (moist) sticky and plastic (wet); few to common thick clay films, few fine roots, few medium and common fine pores, moderately rapid permeability, abrupt smooth boundary; p ^H 7.5.
B ₁		21 - 43 cm; reddish brown (2.5 YR 4/4 D) and dark reddish brown (2.5 YR 3/4 M); sandy clay; moderate medium subangular blocky; slightly hard (dry), firm (moist), sticky and plastic (wet); thin patchy clay films; few line roots; common fine pores; moderately rapid permeability; abrupt smooth boundary; p ^H 7.5.
Bt ₁		43 - 64cm; red (2.5 YR 4/6 D) and dark red (2.5 YR 3/6 M); sandy clay; strong coarse subangular blocky; very hard (dry), very firm (moist), sticky and plastic (wet); continuous thick clay films; few very fine roots; common fine pores; moderately rapid permeability; p ^H 7.5.
Bt ₂		64 - 93cm; reddish brown (5 YR 4/4 D) and dark reddish brown (5 YR 3/3 M); sandy clay; few to common fine to medium faint ferro - manganese; very dark gray; (2.5 YR 3/0) mottles; strong coarse subangular blocky to angular blocky; very hard (dry), very firm (moist), sticky and plastic (wet); continuous thick clay films; few to common very fine roots; few to common fine pores; moderately rapid permeability; abrupt smooth boundary; p ^H 7.5.
Bt ₃		93 - 120cm; reddish brown (5 YR 4/4 D) and dark reddish brown (5YR 3/3M) ; gravelly clay; common medium distinct very dark gray (2.5YR3/0) ferro - manganese mottles; strong coarse subangular blocky; hard (dry), firm (moist), sticky and plastic (wet), continuous thin to thick clay films; very few very fine roots; common fine pores; moderately slow permeability; abrupt smooth boundary; p ^H 8.2.
Bt ₄		120 - 134 cm; brown (7.5 YR 5/4 D) and reddish brown (5 YR 4/4 M); gravelly clay, common medium distinct very dark gray (2.5 YR 3/0) ferro - manganese mottles; hard (dry), firm (moist), sticky and plastic (wet); very few round to irregular 0.5cm soft calcium carbonate; continuous thin to thick clay films; very few fine roots; few medium, few to common fine pores; moderately slow permeability; p ^H 8.2.

VELLALUR SERIES

Vlr

0	Ap	cl	7.5	2.5 YR 4/6
8				2.5 YR 3/6
21	A ₁	scl	7.5	2.5 YR 3/6
				2.5 YR 3/4
43	B ₁	sc	7.5	2.5 YR 4/4
				2.5 YR 3/4
64	Bt ₁	sc	7.5	2.5 YR 4/6
				2.5 YR 3/6
93	Bt ₂	sc	7.5	5 YR 4/4
				5 YR 3/3
120	Bt ₃	gc	8.2	5 YR 4/4
				5 YR 3/3
134+	Bt ₄	gc	8.2	7.5 YR 5/4
				5 YR 4/4

PICHANUR SERIES (Pch)

Location : About 150 feet western side of Mettupalayam road and near the kilometer stone 14 at Periyanaickenpalayam

Physiography : Undulating uplands

Topography : Undulating

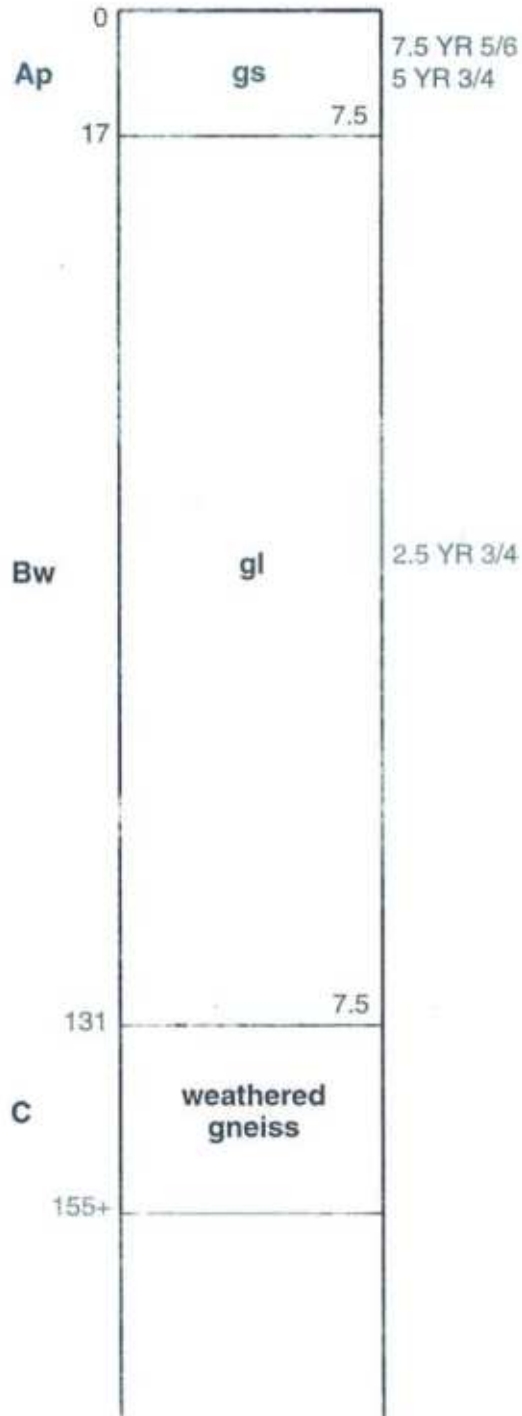
Drainage : Excessively drained

Parent material : Weathered gneiss

Horizon	Description
Ap	0 - 17cm; dark brown (7.5 YR 5/6 D) and dark reddish brown (5 YR 3/4 M); gravelly sand; single grained; loose (dry), very friable (moist); many fine, few medium roots; common coarse and medium pores; rapid permeability; clear smooth boundary; p ^H 7.5.
Bw	17 - 131cm; dark reddish brown (2.5 YR 3/4 D&M) and moist; crumb; gravelly loam ; loose to slightly hard (dry), friable (moist) and slightly sticky (moist); very few coarse, few to common fine roots; common medium, few coarse pores; rapid permeability; clear smooth boundary; p ^H 7.5.
C	131 - 155cm; weathered gneiss.

PICHANUR SERIES

Pch



DASARAPATTI SERIES (Dpt)

Location : About 0.2km south west of Jakkarpalayam
Physiography : Very gently sloping lands
Topography : Plain
Drainage : Poorly drained
Parent material : Calcareous gneiss with gypsum

Horizon	Description
Ap	0 - 11 cm; very dark gray (10 YR 3/1 D) and very dark brown (10 YR 2/4 M); clay; moderate fine subangular blocky; few to common powdery to 1cm round to irregular hard gypsum; slightly hard (dry), slightly firm to firm (moist), very sticky and very plastic (wet); very few very fine roots; common fine pores; slow permeability; abrupt smooth boundary; p ^H 8.0.
A ₁	11 - 35 cm; very dark brown (10 YR 2/ 4 D) and very dark brown to very dark grayish brown (10 YR 3/1 to 10 YR 3/2 M); clay; strong coarse subangular blocky to angular blocky; few to common powdery to 1 cm round to irregular hard gypsum; very hard (dry), very firm (moist), very sticky and very plastic (wet); very few very fine roots; many fine pores; slow permeability; clear smooth boundary; p ^H 8.0.
Ass ₁	35 - 65 cm; very dark grayish brown (10 YR 3/2 M); clay; prominent slickensides; strong coarse angular blocky; few to common powdery to 1 cm round to irregular hard gypsum; very hard (dry), very firm (moist), very sticky and very plastic (wet); very few very fine roots; common medium and fine pores; slow permeability; clear smooth boundary; p ^H 8.0.
Ass ₂	65 - 88 cm; very dark grayish brown (10 YR 3/2 M); clay; prominent slickensides; strong coarse angular blocky; few to common powdery to 1 cm round to irregular hard gypsum; hard (dry), very firm (moist), very sticky and very plastic (wet); common medium and fine pores; slow permeability; clear smooth boundary; p ^H 8.0.
Ass ₃	88 - 116cm; very dark grayish brown (10 YR 3/2) to dark brown (10 YR 3/3M); clay; prominent intersecting slickensides; moderate medium subangular blocky to angular blocky; few to common round to irregular 0.5cm to 5cm hard gypsum; hard(dry), firm (moist), very sticky and very plastic (wet); few to common very fine to fine pores; slow permeability; gradual wavy boundary; p ^H 8.0.
C	116 - 270 + cm; gypsum.

DASARAPATTI SERIES

Dpt

0				
Ap	e	c	8.0	10 YR 3/1 10 YR 2/4
11				
A ₁	s	c	8.0	10 YR 2/4 10 YR 3/1
35				
Ass ₁	s	c	8.0	10 YR 3/2
65				
Ass ₂	s	c	8.0	10 YR 3/2
88				
Ass ₃	s	c	8.0	10 YR 3/2
116 +				
C		GYPSUM		
270 +				

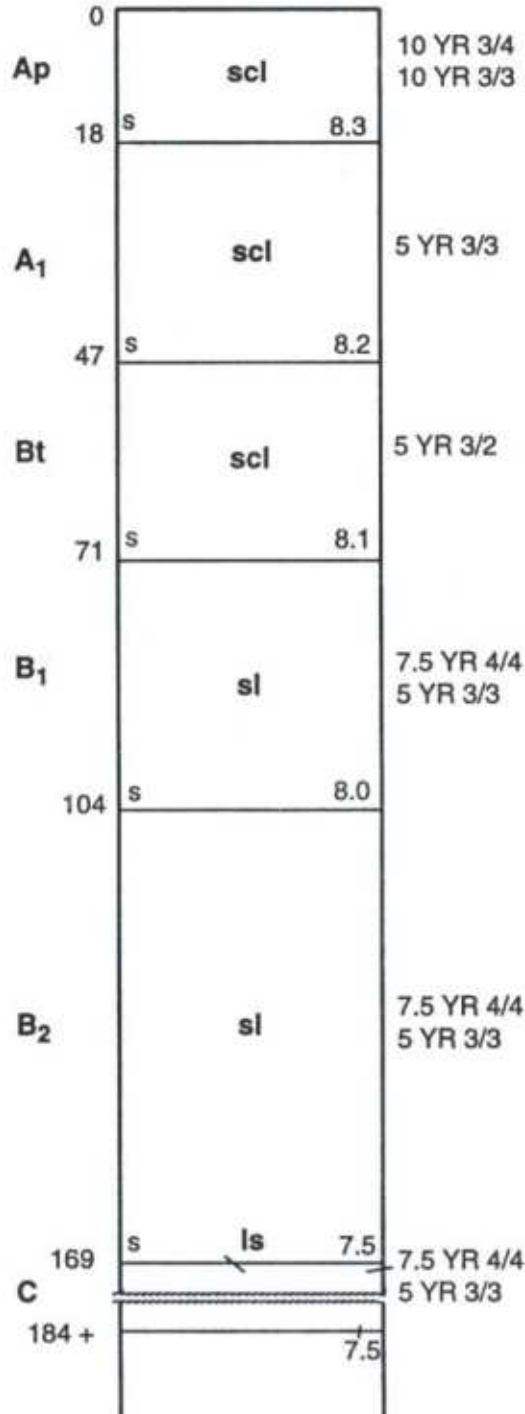
SOMAYYANUR SERIES (Smy)

Location	:	About 0.2km west of Naickenpalayam and 100 feet south of Naickenpalayam to Govanur road.
Physiography	:	Gently sloping lands
Topography	:	Undulating at the side slopes
Drainage	:	Well drained
Parent material	:	Colluvium

Horizon	Description
Ap	0 - 18cm; dark yellowish brown (10 YR 3/4 D) and dark brown (10 YR 3/3M); sandy clay loam weak medium subangular blocky; slightly hard (dry), slightly firm (moist), sticky and plastic (wet); few small soft powdery calcium carbonate; few to common fine roots; few to common fine and medium pores; moderately rapid permeability; clear smooth boundary; p ^H 8.3.
A ₁	18 - 47 cm; dark reddish brown (5 YR 3/3 M); sandy clay loam; moderate medium subangular blocky; hard (dry), firm (moist), sticky and plastic (wet); few small soft powdery calcium carbonate; very few coarse and common fine roots; few to common medium pores; moderately rapid permeability; abrupt smooth boundary; p ^H 8.2.
B _t	47 - 71cm; dark reddish brown (5 YR 3/2) to reddish brown (5 YR 4/3 M); sandy clay loam; thin patchy clay films; moderate fine subangular blocky; slightly hard to hard (dry), firm (moist), sticky and plastic (wet); few to many small round to irregular calcium carbonate; few to common fine roots; very few coarse and common medium and fine pores; moderately rapid permeability; clear smooth boundary; p ^H 8 . 1.
B ₁	71 - 104cm; brown to dark brown (7.5 YR 4/4 D) and dark reddish brown (5YR3/3 M); sandy loam; weak fine subangular blocky; slightly hard (dry), friable (moist), slightly sticky and slightly plastic (wet); few to many small round to irregular calcium carbonate; few fine roots; few to common medium pores; moderately rapid to rapid permeability; abrupt smooth boundary; p ^H 8.0.
B ₂	104 - 169 cm; brown to dark brown (7.5 YR 4/4 D) and dark reddish brown (5YR 3/3 M); sandy loam; weak fine subangular blocky; loose (dry), slightly friable (moist), slightly sticky (wet); few fine roots, common medium pores; rapid permeability; clear smooth boundary; p ^H 7.5.
C	169 - 184 cm; dark brown (7.5 YR 4/4 D) and reddish brown (5 YR 4/3) to dark reddish brown (5 YR 3/3 M); loamy sand; single grained; loose (dry), very friable (moist); few to common fine roots; few to common medium pores; rapid permeability, p ^H 7.5.

SOMAYYANUR SERIES

Smy



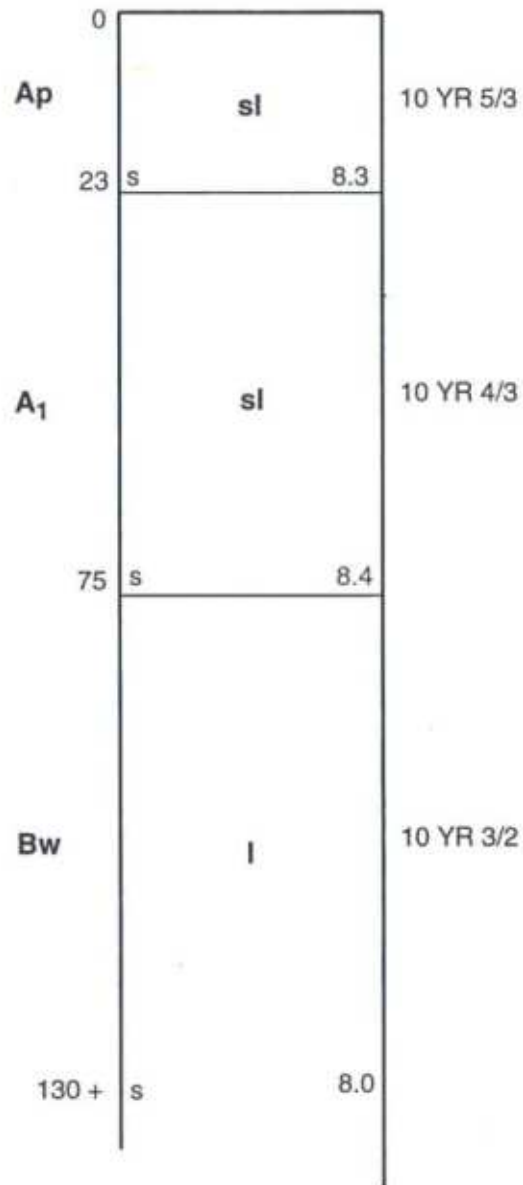
NOYYAL SERIES (Nyl)

Location : Chitrachavadi village, on Perur-Vedapatti road, Coimbatore Taluk
Physiography : Riverbed
Topography : Level land
Drainage : Level land
Parent material : Alluvium

Horizon	Description
Ap	0-23cm; brown (10YR 5/3 M); fine sandy loam; medium moderate medium granular; loose (dry), friable (moist); abundant roots; clear smooth boundary; pH 8.3.
A ₁	23-75cm; dark brown (10YR 4/3 M); sandy loam; moderate, medium crumb, loose (dry) friable (moist); abundant roots; clear smooth boundary; pH 8.4.
Bw	75-130cm; very dark gray brown (10YR 3/2 M); loam; moderate, medium crumb; loose (dry), friable (moist), slightly sticky and slightly plastic (wet); plentiful roots; pH 8.0.

NOYYAL SERIES

Nyl



PERIYANAICKEN PALAYAM SERIES (Pyk)

- Location : 2 furlong east of Mettupalayam road and 1/2 furlong south of Sri Ramakrishna Vidyalaya compound.
- Physiography : Gently sloping lands
- Topography : Convex slope
- Drainage : Moderately drained
- Parent material : Calcic weathered gneiss

Horizon	Description
Ap	0 - 7 cm; very dark grayish brown (10 YR 3/2 D) and very dark brown (10YR2/2M); clay; moderate medium subangular blocky; slightly hard (dry), firm (moist), sticky and plastic (wet); few small round to irregular soft calcium carbonate; few to common very fine and few coarse medium roots; few to common fine pores; slow permeability; abrupt smooth boundary; p ^H 7.5 to 8.5.
A ₁	7 - 35 cm; very dark gray (10 YR 3/1 D & M); clay; moderate medium subangular blocky to angular blocky; hard (dry), firm (moist), sticky and plastic (wet); few small round to irregular soft calcium carbonate; very few very fine roots; few to common medium and fine pores; slow permeability; clear smooth boundary; p ^H 7.5 to 8.5.
A ₂	35 - 84 cm; black (10 YR 2/1 D & M); clay; strong coarse angular blocky; very hard (dry), very firm (moist), very sticky and very plastic (wet); prominent slickensides; few small round to irregular hard calcium carbonate; very few very fine roots; few to common fine pores; slow permeability; gradual wavy boundary; p ^H 7.5 to 8.5.
AC	84 - 145 cm; dark yellowish brown (10 YR 4/4 M); sandy clay; weak medium subangular blocky; loose to slightly hard (dry), friable (moist), sticky and plastic (wet); many powdery round to irregular hard calcium carbonate; common medium pores; moderately rapid permeability; p ^H 8.0.

PERIYANAICKENPALAYAM SERIES

Pyk

Ap	0	c	10 YR 3/2
	7	s 7.5 - 8.5	10 YR 2/2
A ₁		c	10 YR 3/1
	35	s 7.5 - 8.5	
A ₂		c	10 YR 2/1
	84	v 7.5 - 8.5	
AC		sc	10 YR 4/4
	145 +	v 8.0	

ANAMALAI SERIES (Aml)

Location : About 0.1km north of Vettaikaranpudur to chettumadai road
Physiography : Gently sloping to undulating
Topography : Undulating on the sides
Drainage : Well drained
Parent material : Weathered gneiss

Horizon	Description
Ap	0-11 cm; weak red (2.5 YR 4/2) to reddish brown (2.5 YR 4/4 D) and weak red (2.5 YR 4/2 M); sandy clay loam; weak medium subangular blocky; slightly hard (dry), friable (moist), slightly sticky and slightly plastic (wet); few fine roots; few coarse, common medium pores; moderately rapid permeability; clear smooth boundary; p ^H 7.5.
A ₁	11 - 30 cm; reddish brown (2.5 YR 4/4) to red (2.5 YR 4/6 D) and reddish brown (2.5 YR 4/4 M); sandy clay loam; strong coarse subangular blocky; slightly hard (dry), friable (moist), slightly sticky and slightly plastic (wet); few fine roots; few coarse, common medium pores; moderately rapid permeability; clear smooth boundary; p ^H 7.5.
Bt ₁	30 - 66 cm; reddish brown (2.5 YR 4/4 D & M); sandy clay; strong coarse subangular blocky; hard (dry), firm (moist), very sticky and very plastic (wet); continuous thick clay films; few to common fine roots; few coarse, common medium pores; moderately rapid to moderately slow permeability; gradual wavy boundary; p ^H 7.5.
Bt ₂	66 - 105cm; reddish brown (2.5 YR 4/4 D & M); sandy clay; strong coarse subangular blocky; hard (dry), firm (moist), sticky and plastic (wet); continuous thin clay films; very few fine roots; few coarse, common medium pores; moderately rapid permeability; gradual wavy boundary; p ^H 7.5.
B	105 - 142 cm; red (2.5 YR 4/6 D) and reddish brown (2.5 YR 4/4 M); gravelly sandy clay; strong coarse subangular blocky; very hard (dry), very firm (moist), very sticky and very plastic (wet); continuous thin clay films; very few fine roots; few coarse and common medium pores; moderately rapid permeability; p ^H 7.5.

ANAMALAI SERIES

Aml

Ap	0	scl	7.5	2.5 YR 4/4 2.5 YR 4/2
A ₁	11	scl	7.5	2.5 YR 4/4
Bt ₁	30	sc	7.5	2.5 YR 4/4
Bt ₂	66	sc	7.5	2.5 YR 4/4
B	105	gsc	7.5	2.5 YR 4/6 2.5 YR 4/4
	142 +		7.5	

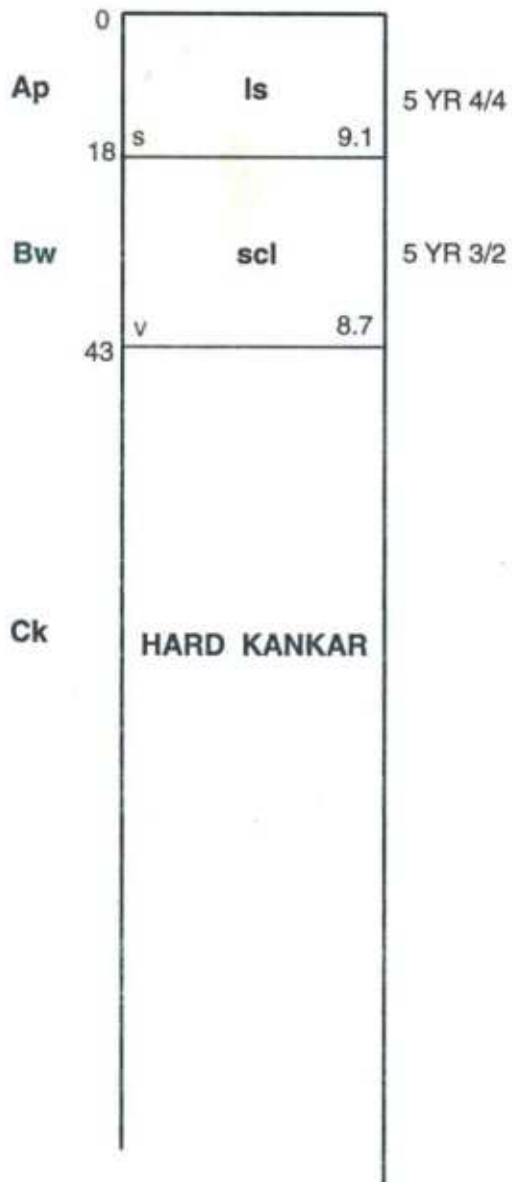
OKKILIPALAYAM SERIES (Okp)

Location : Okkilipalayam village, Coimbatore Taluk
Physiography : Valley
Topography : Level to nearly level
Drainage : Moderately drained
Parent material : Gneissic rocks

Horizon	Description
Ap	0-18cm; reddish brown (5YR 4/4 M); loamy sand; fine weak granular structure, loose (dry), very friable (moist); many fine roots; clear smooth boundary, pH 9.1.
Bw	18-43cm; dark reddish brown (5YR 3/2 M); sandy clay loam; few lime concretions; weak medium crumb to weak fine blocky; slightly hard (dry), firm (moist), sticky and plastic (wet); plentiful roots; gradual wavy boundary; pH 8.7.
Ck	43cm + ; hard kankar.

OKKILIPALAYAM SERIES

Okp



CHAVADIPARAI SERIES (Cvp)

Location : Chavadiparai
Physiography : Hill bottom
Topography : Very gently sloping
Drainage : Well drained
Parent material : Colluvium

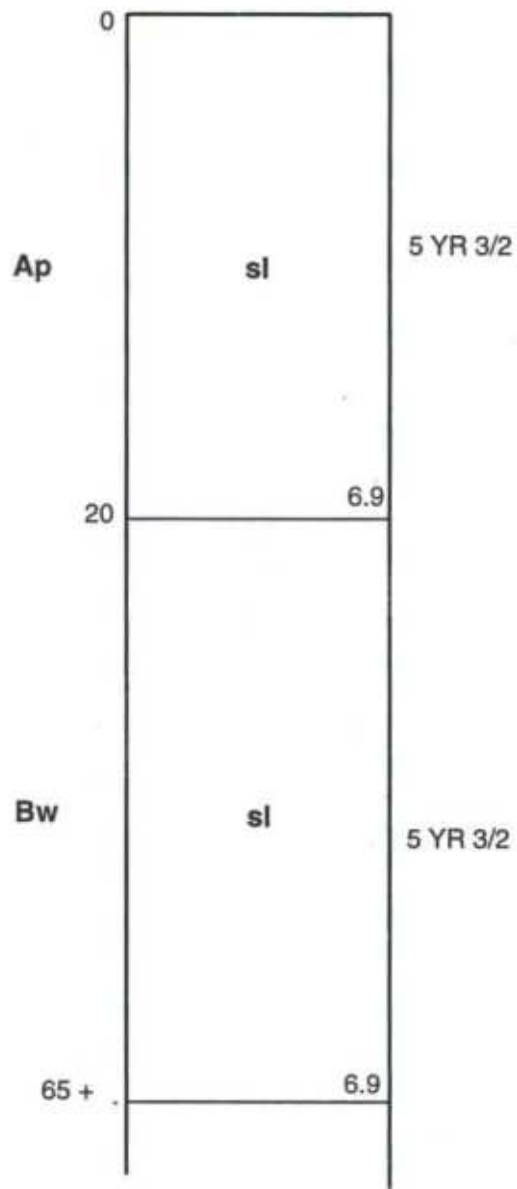
Horizon

Description

Ap	0-65cm; dark reddish brown (5YR 3/2 M); sandy loam; weak medium, granular; slightly hard (dry), friable to somewhat firm (moist); many fine roots; gradual to diffuse wavy boundary; p ^H 6.9.
Bw	65cm+; dark reddish brown (5YR 3/2 M); sandy loam; granular ; slightly hard (dry), friable to some what firm (moist); few fine roots; p ^H 6.9.

CHAVADIPARAI SERIES

Cvp



LAND CAPABILITY

Area (ha)	Land capability classification	Soil series	Limitation	Needs
45,767	II e	Vellalur Anamalai Chavadiparai Somayyanur	Erosion	Soil conservation and growing selected crops
59,920	II es	Palathurai	Erosion, presence of kankar in the solum	Soil conservation and growing selected crops
5,856	II w	Noyyal	Soil wetness	Selection of crops
20,280	III e	Pichanur	Erosion & run off	Soil and water conservation
2,45,866	III es	Irugur Manupatty	Erosion, medium soil depth, more of gravels	Soil and water conservation, selection of crops
65,902	III se	Pilamedu Periyanaickenpalayam Dasarapatti	Heavy texture, moderate alkalinity, sheet erosion, slow permeability	Selection of crops and soil conservation, drainage, improvement
1,24,060	IV es	Palladam Okkilipalayam	Erosion, coarse texture, shallowdepth	Soil and water conservation, pasture development

LEGEND

CLASS

II - Lands that have moderate limitations for sustained use under agriculture.

III - Lands that have severe limitations for sustained use under agriculture.

IV - Lands that have very severe limitations for agriculture and require careful management.

SUB CLASS

s - Soil Problem

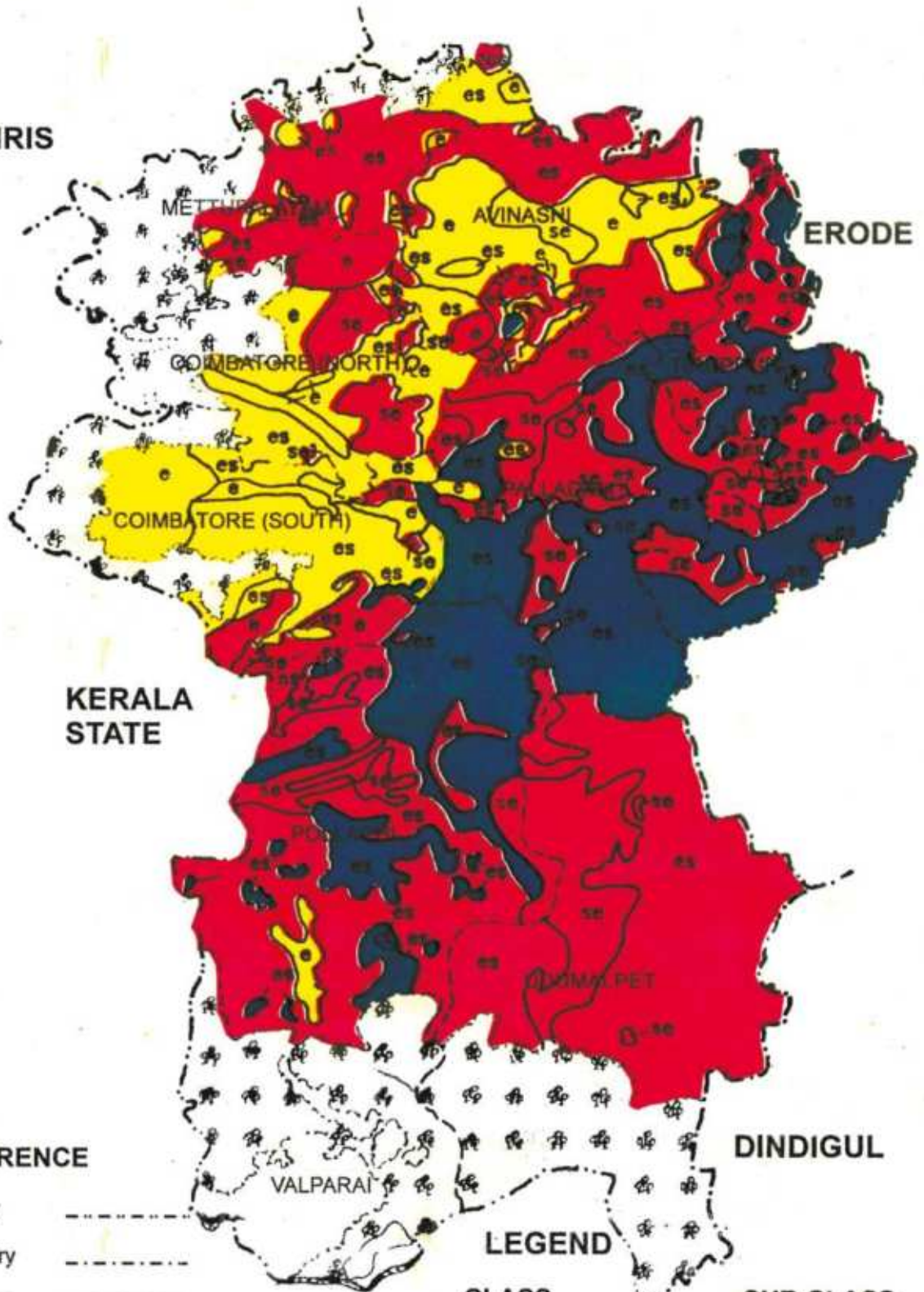
e - Erosion

w - Wetness

LAND CAPABILITY COIMBATORE DISTRICT







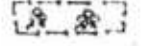
NILGIRIS






ERODE

KERALA
STATE

REFERENCE

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

LEGEND

- | CLASS | SUB CLASS |
|---|---------------------------------|
|  | GOOD CULTIVABLE LAND |
|  | MODERATELY GOOD CULTIVABLE LAND |
|  | FAIRLY GOOD CULTIVABLE LAND |

DINDIGUL

VALPARAI

CHINNAI PET

SUB CLASS

- e - EROSION
- s - SOIL LIMITATIONS

LAND IRRIGABILITY

Area (ha)	Irrigability classification	Soil series	Limitations
59,920	2 s	Palathurai	Presence of kankar nodules in the solum
20,765	2 t	Anamalai Somayyanur	Topography and run off
29,945	2 d	Vellalur Noyyal	Moderate permeability and drainage stratification of layers
4,075	3 d	Periyanaickenpalayam	Slow permeability and drainage
913	3 ts	Chavadiparai	Topography, coarse texture
20,280	3 ts	Pichanur	Topography and run-off, coarse texture
30,461	3 ds	Manupatty	Moderate drainage and presence of kankar in the solum
42,914	3 ds	Pilamedu	Poor drainage and soil alkalinity
2,15,405	3 st	Irugur	Presence of quartz gravels, moderate soil depth and topography
18,913	4 ds	Dasarapatti	Poor drainage, alkalinity, presence of gypsum.
1,24,060	4 st	Palladam Okkilipalayam	Shallow depth, and more of calcium carbonate topography

LEGEND

CLASS

- 2 - Lands that have moderate soil limitations for sustained use under irrigation.
 3 - Lands that have severe soil limitations for sustained use under irrigation.
 4 - Lands that are marginal for sustained use under irrigation.

SUB CLASS

- t - topography
 s - soil problem
 d - drainage

LAND IRRIGABILITY COIMBATORE DISTRICT



NILGIRIS

ERODE

KERALA
STATE

DINDIGUL

REFERENCE

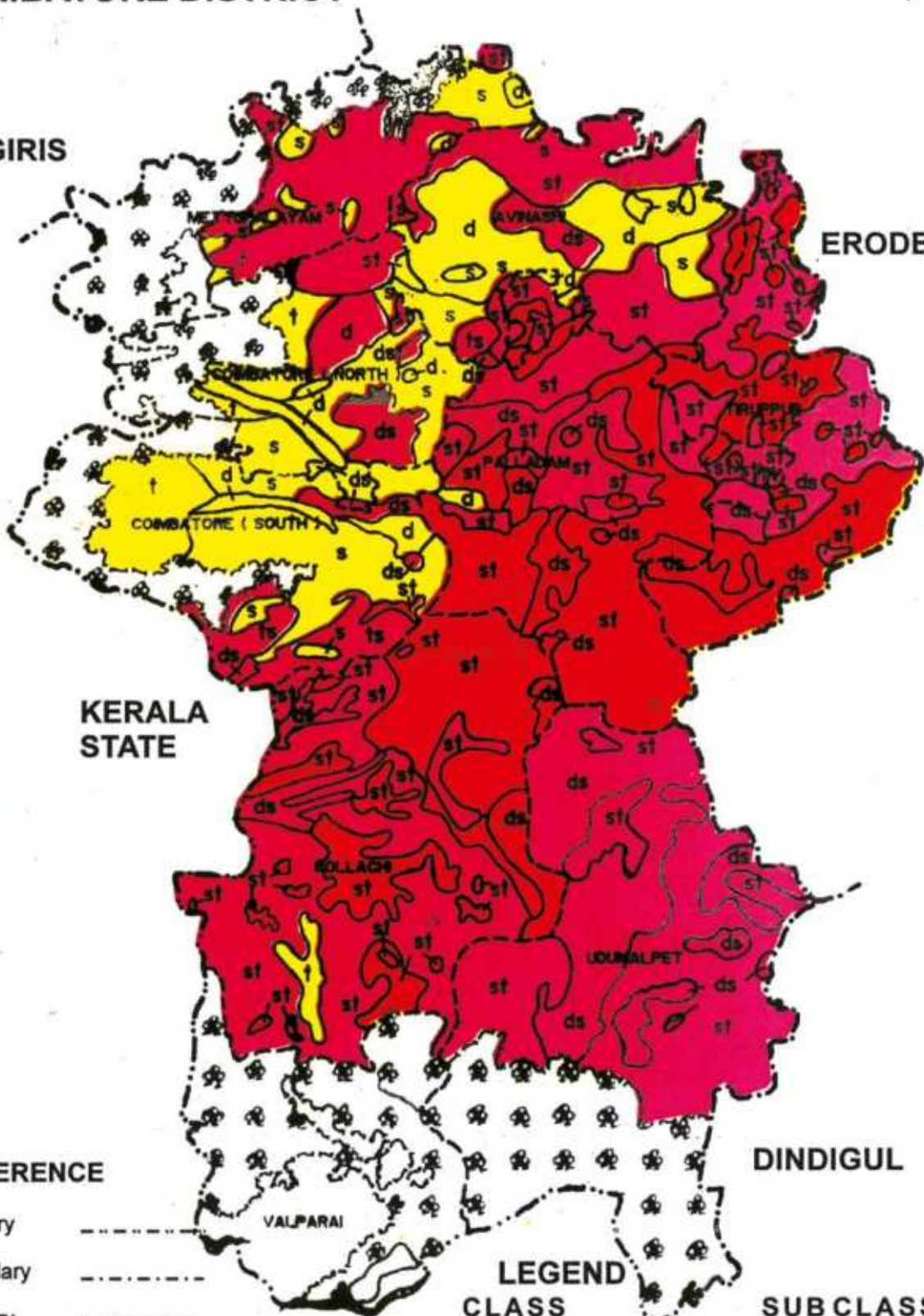
- State boundary -----
- District boundary - - - - -
- Taluk boundary - - - - -
- Rivers & Gully
- Forest boundary

LEGEND CLASS

- MODERATE LIMITATIONS
- SEVERE LIMITATIONS
- VERY SEVERE LIMITATIONS

SUB CLASS

- s - SOIL LIMITATIONS
- t - TOPOGRAPHY
- d - DRAINAGE



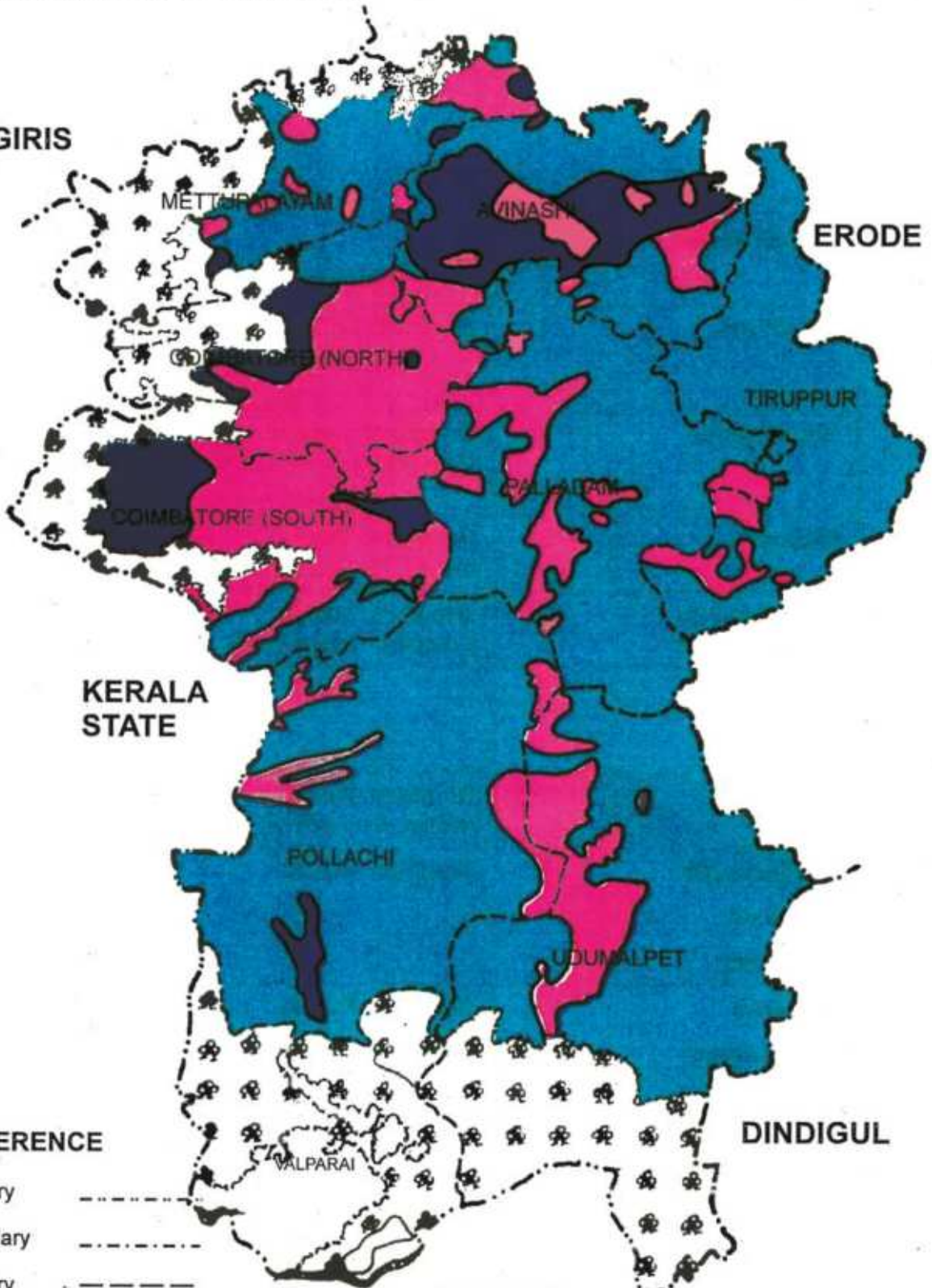
SOIL PRODUCTIVITY

Area (ha)	Productivity		Soil series
	Rating	Grouping	
3,90,206	8 - 19	Poor	Irugur, Okkilipalayam, Palladam, Manupatty, Pichanur
1,32,591	20 - 34	Average	Dasarapatti, Pilamedu, Periyanaickenpalayam, Palathurai, Noyyal, Chavadiparai,
44,854	35 - 64	Good	Vellalur, Somayyanur, Anamalai

SOIL PRODUCTIVITY COIMBATORE DISTRICT



NILGIRIS



ERODE

TIRUPPUR

KERALA
STATE

POLLACHI

UDUMALPET

REFERENCE

DINDIGUL

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

LEGEND



GOOD



AVERAGE



POOR

CROPS GROWN

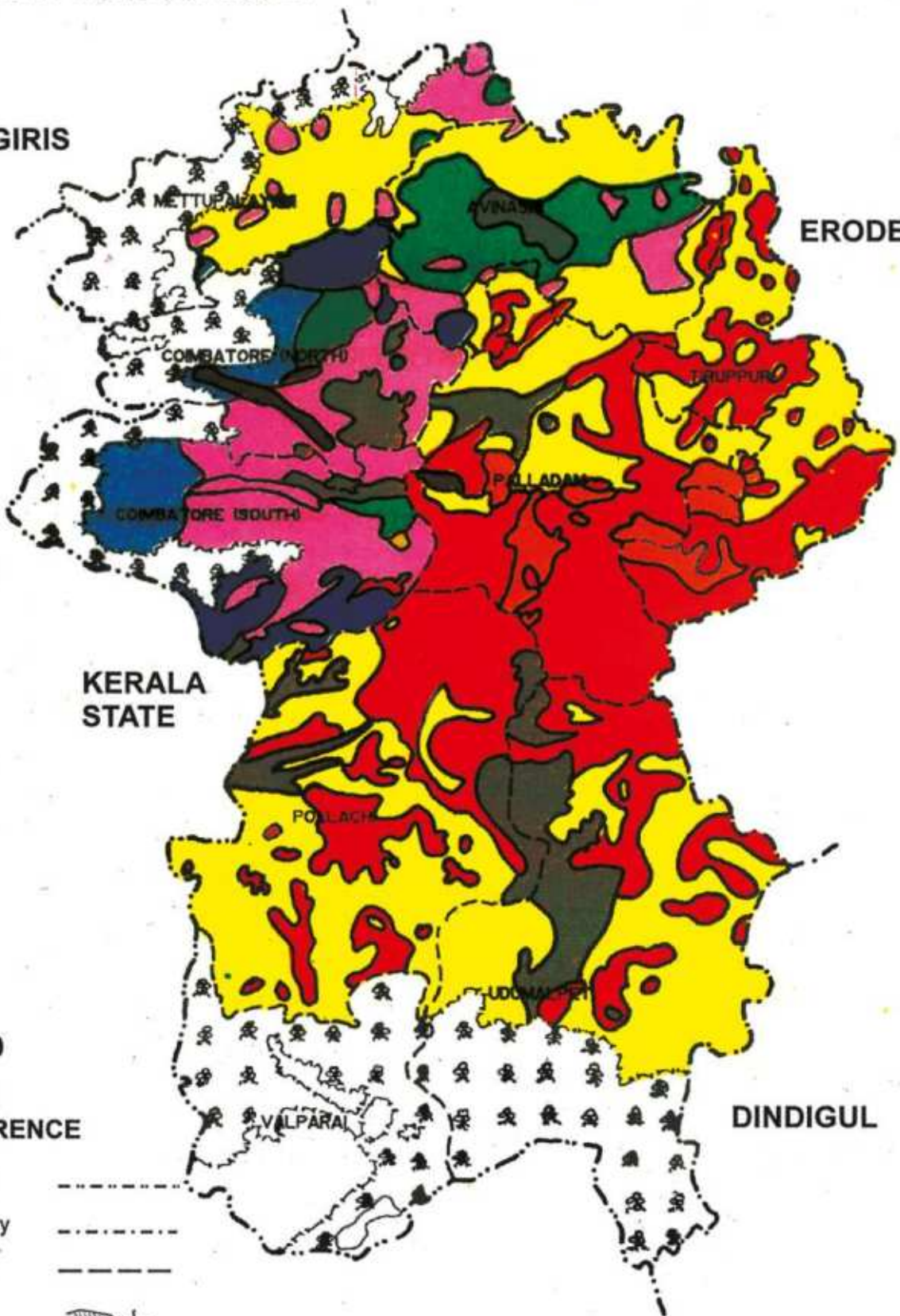
Soil series	Map symbol	Crops grown	
		Rainfed	Irrigated
Palathurai	1.	Sorghum, Groundnut	Cotton, Ragi, Paddy, Chillies, Flowers
Somayyanur	2.	Sorghum, Tapioca, Groundnut	Sugarcane, Paddy, Cotton, Groundnut
Pilamedu	3.	Sorghum, Minor - millets, Bengal gram	Cotton, Sorghum, Maize, Tomato
Periyanaicken - palayam	4.	Sorghum, Lablab Cowpea, Green gram	Cotton, Maize, Paddy, Ragi
Noyyal	5.	—	Sugarcane, Paddy, Turmeric, Coconut
Vellalur	6.	Sorghum, Minor - millets, Groundnut	Cotton, Maize
Okkilipalayam Palladam Manupatty	7.	Sorghum, Pulses	Paddy, Banana, Betel-Vine, Coconut
Pichanur Chavadiparai	8.	Sorghum, Pulses	Paddy, Ragi
Irugur	9.	Sorghum, Groundnut, Pulses	Groundnut, Cotton, Chillies, Onion, Turmeric, Cumbu, Sorghum
Dasarapatti	10.	Sorghum, Bengalgram, Coriander	Cotton, Ragi
Anamalai	11.	Groundnut, Sorghum	Paddy, Coconut





CROPS GROWN COIMBATORE DISTRICT

NILGIRIS






ERODE



LEGEND

-  - 1
-  - 2
-  - 3
-  - 4
-  - 5
-  - 6
-  - 7
-  - 8
-  - 9
-  - 10
-  - 11

REFERENCE

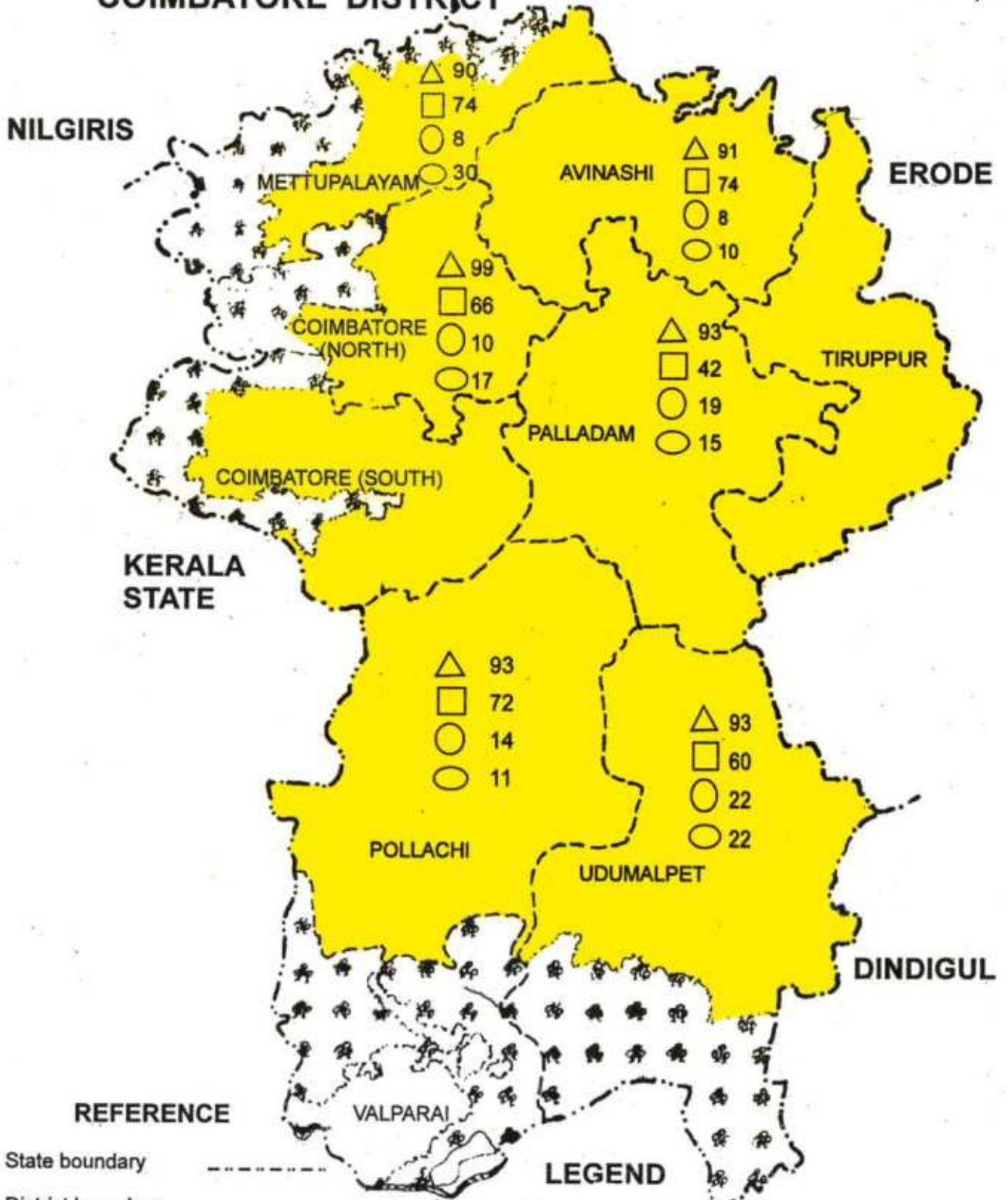
- State boundary 
- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

MICRONUTRIENT STAUS

(PERCENT DEFICIENCY)

Taluk	Zinc	Copper	Manganese	Iron
1. Coimbatore (North & South)	93	66	10	17
2. Avinashi	91	74	8	10
3. Mettupalayam	90	74	8	30
4. Palladam & Tiruppur	93	42	19	15
5. Pollachi & Valparai	93	72	14	11
6. Udumalpet	93	60	22	22

MICRONUTRIENT STATUS COIMBATORE DISTRICT



REFERENCE

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

LEGEND

- ZINC
 - COPPER
 - MANGANESE
 - IRON
- IN TERMS OF PERCENT DEFICIENCY

SOIL COLOUR

Red Soil	Black Soil	Brown Soil	Mixed Soil	
Palladam	Pilamedu	Noyyal	Periyanaickenpalayam	
Okkilipalayam	Dasarapatti			
Palathurai	Manupatty			
Somayyanur				
Vellalur				
Anamalai				
Pichanur				
Irugur				
Chavadiparai				
Area (ha)	4,65,432	92,288	5,856	4,075



SOIL COLOUR COIMBATORE DISTRICT

NILGIRIS

METTURAYAM

AVINASHI

ERODE

COIMBATORE (NORTH)

TIRUPPUR

COIMBATORE (SOUTH)

PALLAVAY

KERALA
STATE





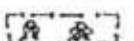
POLLACHI

UDUMALPET

DINDIGUL

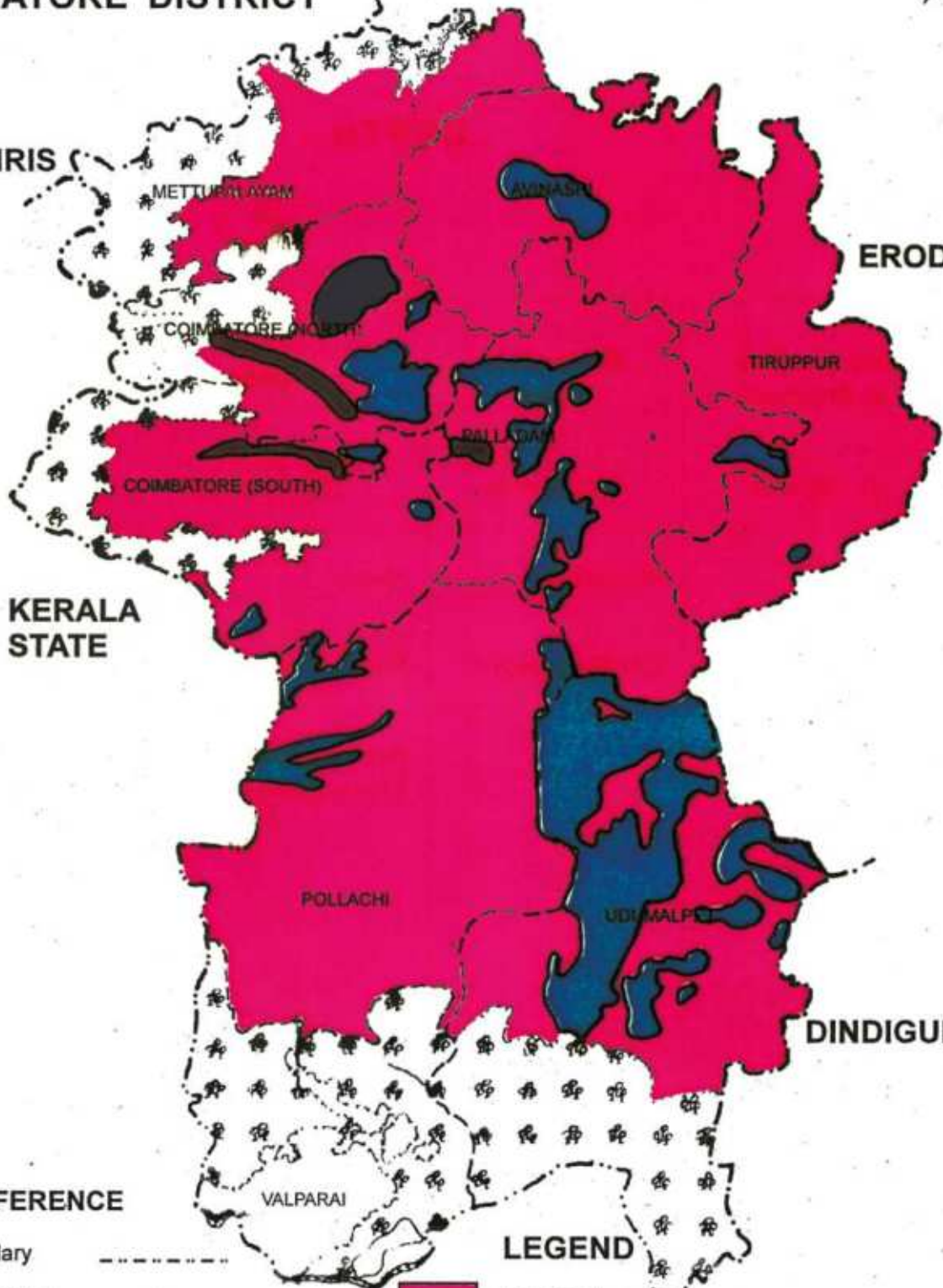
VALPARAI

REFERENCE

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

LEGEND

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



DEPTH

Very Shallow to Shallow (0 - 25 cm)	Moderately Deep (25-50 cm)	Deep (50 - 100 cm)	Very Deep (> 100 cm)
Palladam	Manupatty Okkilipalayam	Irugur Palathurai Periyanaickenpalayam Chavadiparai	Pichanur Pilamedu Dasarapatti Vellalur Somayyanur Anamalai Noyyal
Area (ha) 1,22,965	31,556	2,80,313	1,32,817

DEPTH COIMBATORE DISTRICT



NILGIRIS

MEETTUPALAYAM

AVINASHI

ERODE

COIMBATORE (NORTH)

TIRUPPUR

COIMBATORE (SOUTH)

PAVALAKAM

KERALA
STATE






POOLACHI

UDUMALPET





DINDIGUL

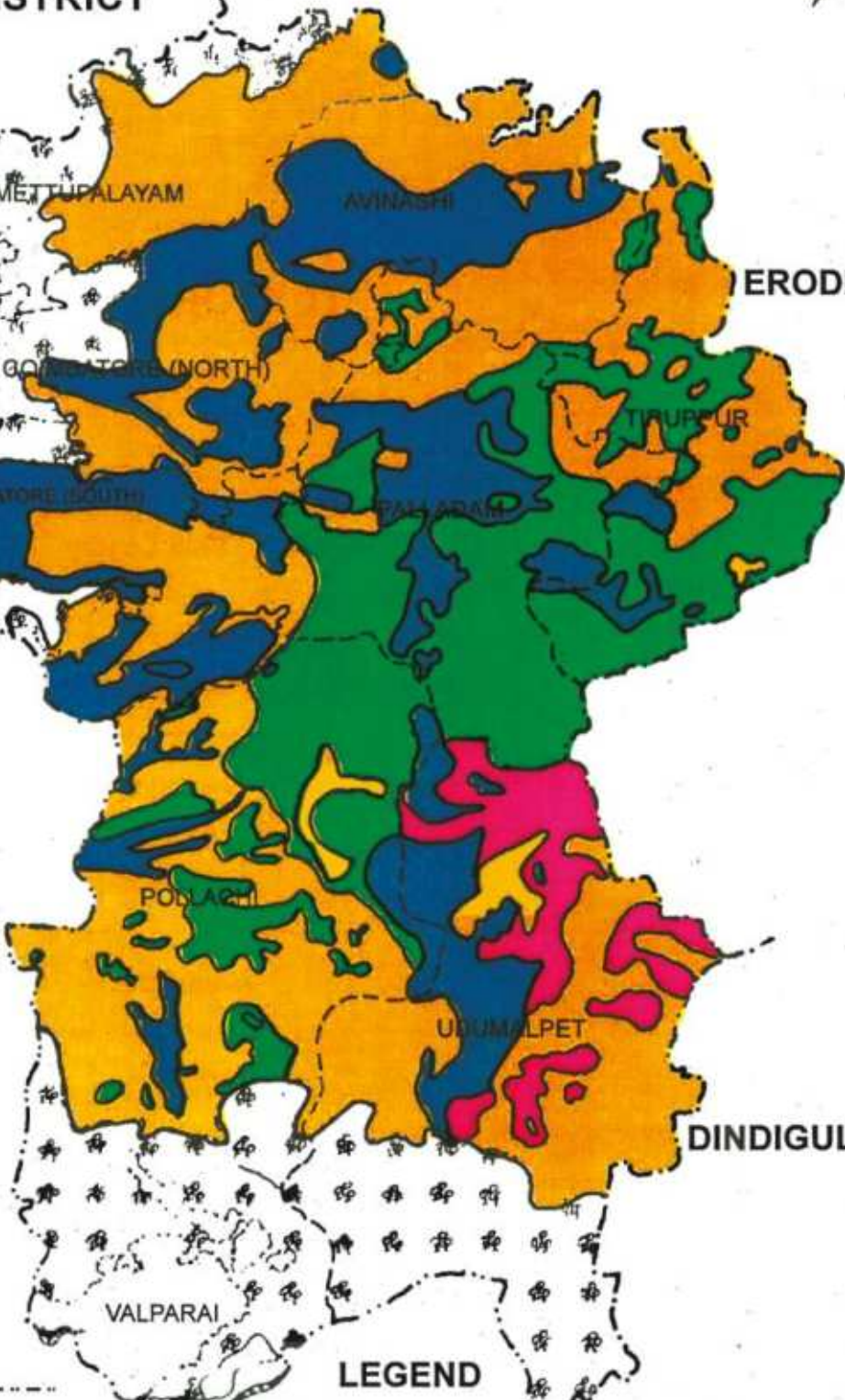
VALPARAI

REFERENCE

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

LEGEND

-  VERY SHALLOW TO SHALLOW
-  MODERATELY DEEP
-  DEEP
-  VERY DEEP



TEXTURE

Loamy Skeletal (LS)	Coarseloamy (CL)	Fine Loamy (FL)	Fine (F)
Irugur	Chavadiparai	Palathurai	Vellalur
Pichanur	Somayyanur	Okkilipalayam	Periyanaickenpalayam
Palladam		Anamalai	Pilamedu
		Manupatty	Dasarapatti
		Noyyal	
Area (ha) 3,58,650	18,760	1,00,250	89,991

TEXTURE COIMBATORE DISTRICT



NILGIRIS

METTUPALAYAM

AVINASHI

ERODE

COIMBATORE NORTH

TIRUPPUR

COIMBATORE (SOUTH)

PALLADAM

KERALA
STATE






POLLACHI

ODUMALPET

DINDIGUL

VALPARAI

REFERENCE

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

LEGEND

-  LOAMY SKELETAL
-  COARSE LOAMY
-  FINE LOAMY
-  FINE

PERMEABILITY

Slow	Moderately Slow	Moderately Rapid	Rapid
Pilamedu	Vellalur	Irugur	Chavadiparai
Dasarapatti	Perianaickenpalayam	Pichanur	Somayyanur
	Manupatty	Palladam	Noyyal
		Palathurai	
		Okkilipalayam	
		Anamalai	
Area (ha) 61,827	58,625	4,22,583	24,616

PERMEABILITY COIMBATORE DISTRICT



NILGIRIS

METTUPALAYAM

VINASHI

ERODE

COIMBATORE (NORTH)

TIRUPPUR

KERALA
STATE

PALLADAM

COIMBATORE (SOUTH)





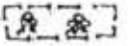
POLLACHI

UDUMALPET


DINDIGUL

VALPARAI

REFERENCE

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

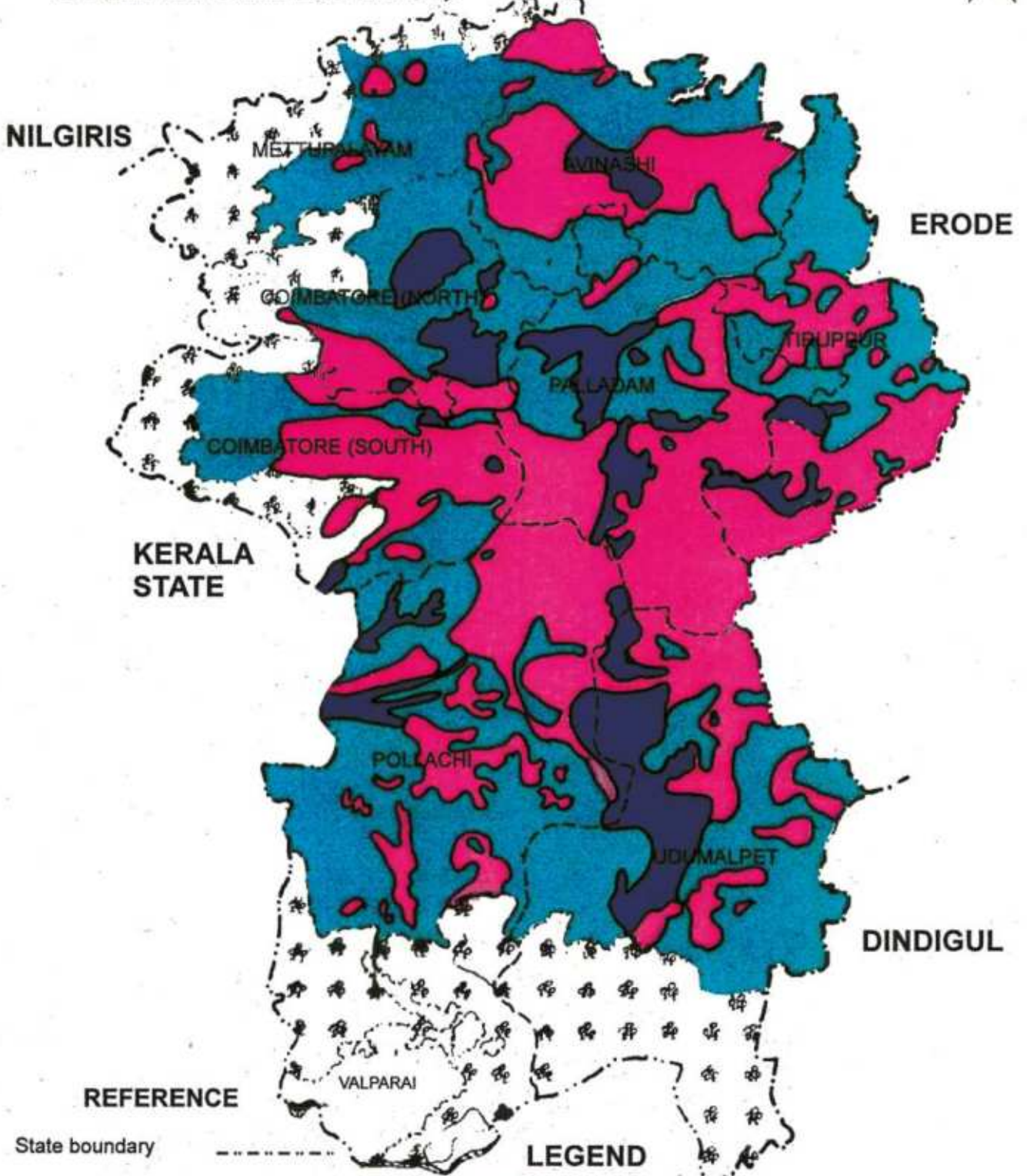
LEGEND

-  MODERATELY RAPID
-  RAPID
-  MODERATELY SLOW
-  SLOW




WATER HOLDING CAPACITY

Low (< 20 %)	Medium (20-50 %)	High (> 50%)
Irugur	Manuppatty	Pilamedu
Somayyanur	Palladam	Periyanaickenpalayam
Pichanur	Palathurai	Dasarapatti
Okkilipalayam	Vellalur	
Chavadiparai	Anamalai	
Noyyal		
Area (ha) 2,61,396	2,40,353	65,902

WATER HOLDING CAPACITY COIMBATORE DISTRICT



- REFERENCE**
- State boundary - - - - -
 - District boundary - - - - -
 - Taluk boundary - - - - -
 - Rivers & Gully
 - Forest boundary

- LEGEND**
-  LOW
 -  MEDIUM
 -  HIGH

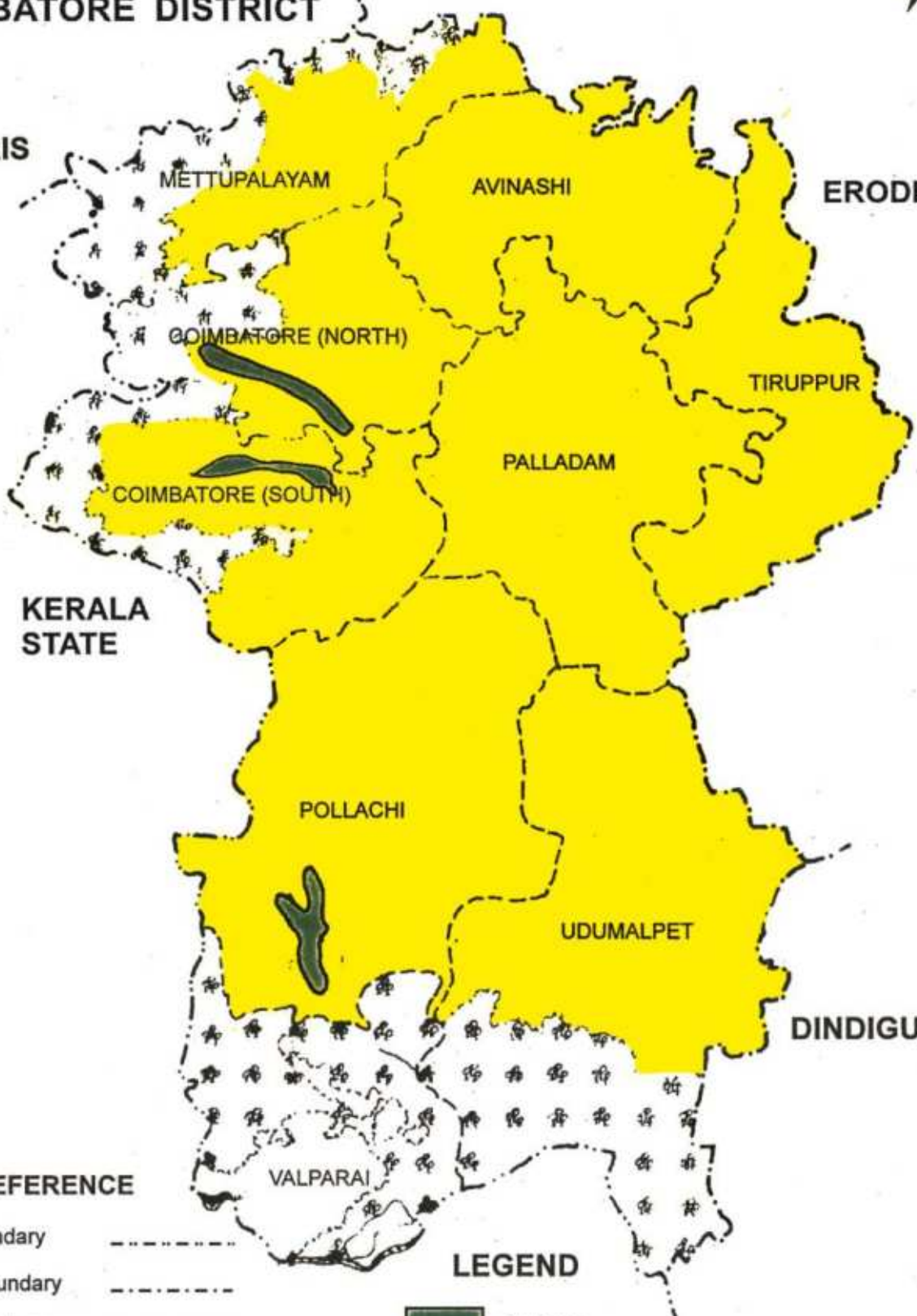
EROSION

Slight		Moderate
Noyyal		Vellalur
Anamalai		Irugur
		Pichanur
		Manupatty
		Chavadiparai
		Palladam
		Periyanaickenpalayam
		Okkilipalayam
		Palathurai
		Pilamedu
		Dasarapatti
		Somayyanur
Area (ha)	8774	5,58,877



EROSION COIMBATORE DISTRICT

NILGIRIS



ERODE

METTUPALAYAM

AVINASHI

COIMBATORE (NORTH)

TIRUPPUR

COIMBATORE (SOUTH)

PALLADAM

KERALA
STATE



POLLACHI

UDUMALPET

DINDIGUL

VALPARAI

REFERENCE

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

LEGEND

-  SLIGHT
-  MODERATE

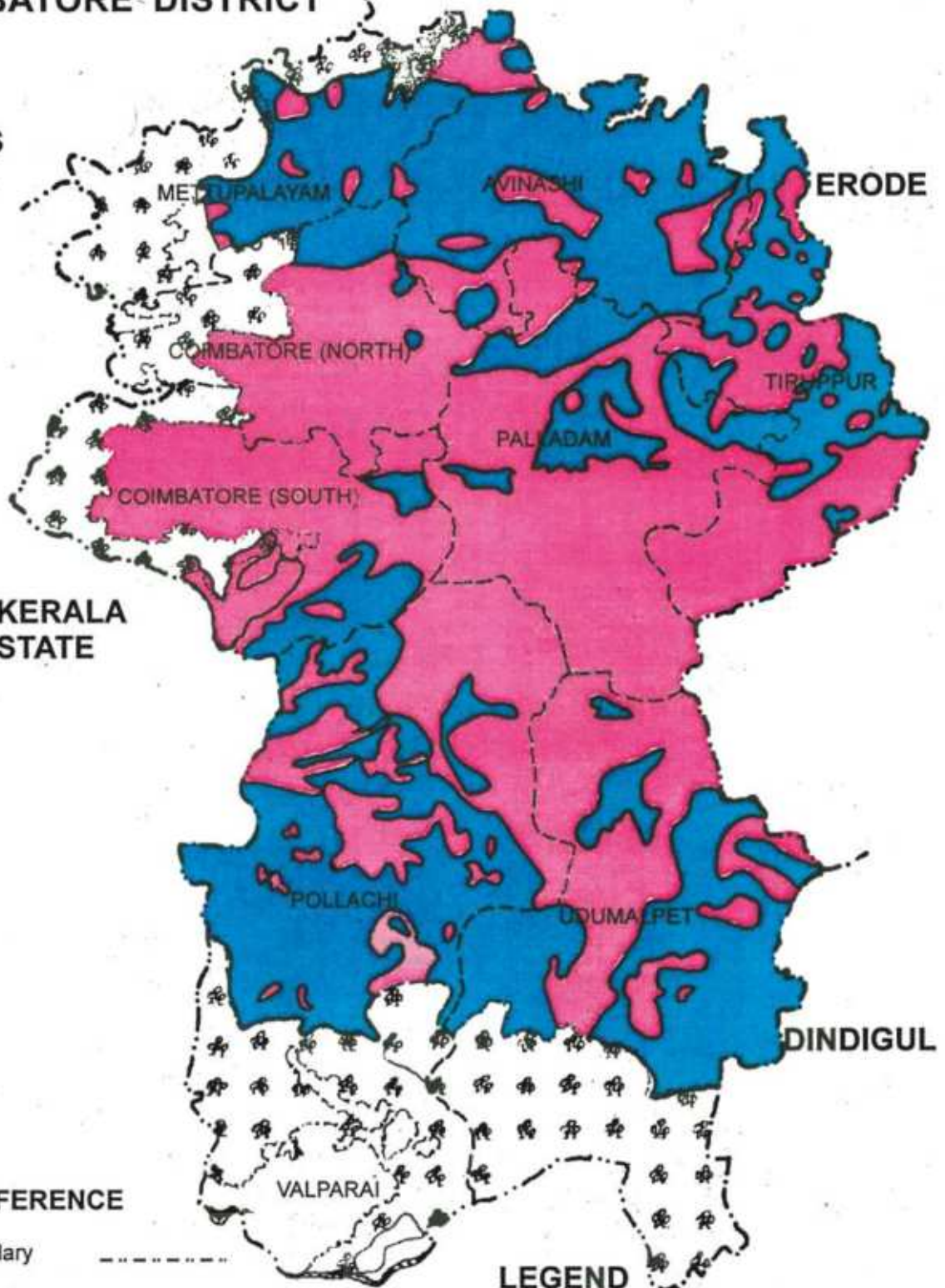
CALCAREOUSNESS

Calcareous		Non - Calcareous
Palladam		Vellalur
Okkilipalayam		Irugur
Palathurai		Pichanur
Somayyanur		Chavadiparai
Pilamedu		Anamalai
Dasarapatti		
Manupatty		
Noyyal		
Periyanaickenpalayam		
Area (ha)	3,04,046	2,63,605

CALCAREOUSNESS COIMBATORE DISTRICT





NILGIRIS





KERALA
STATE

REFERENCE

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

LEGEND

-  CALCAREOUS
-  NON CALCAREOUS

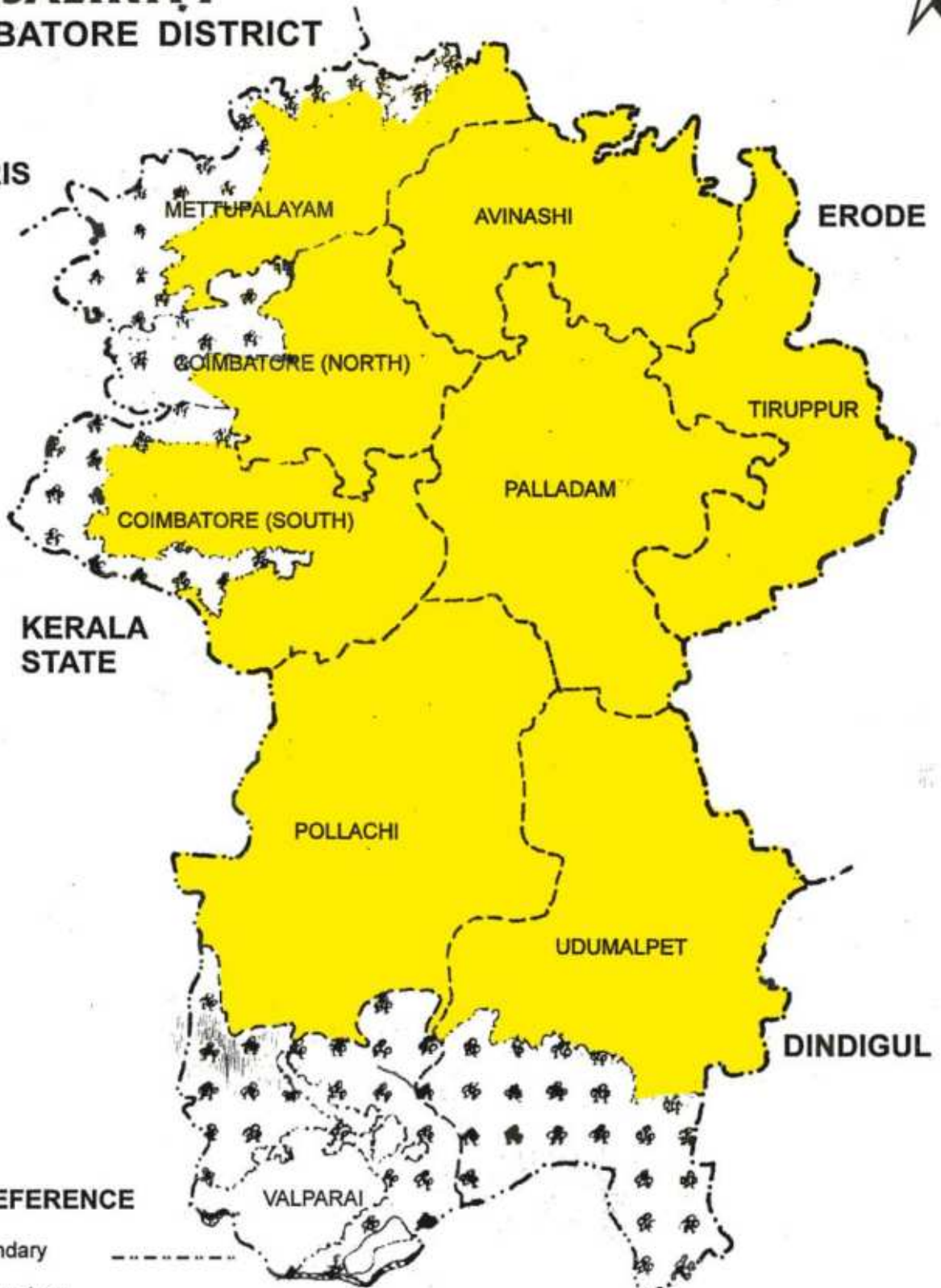
SALINITY

**All the soil series in the district are non-saline and
the level of soluble salts is harmless**



SALINITY COIMBATORE DISTRICT

NILGIRIS



KERALA
STATE

ERODE

TIRUPPUR

PALLADAM



POLLACHI

UDUMALPET

DINDIGUL

VALPARAI

REFERENCE

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

LEGEND

 NON SALINE

REACTION

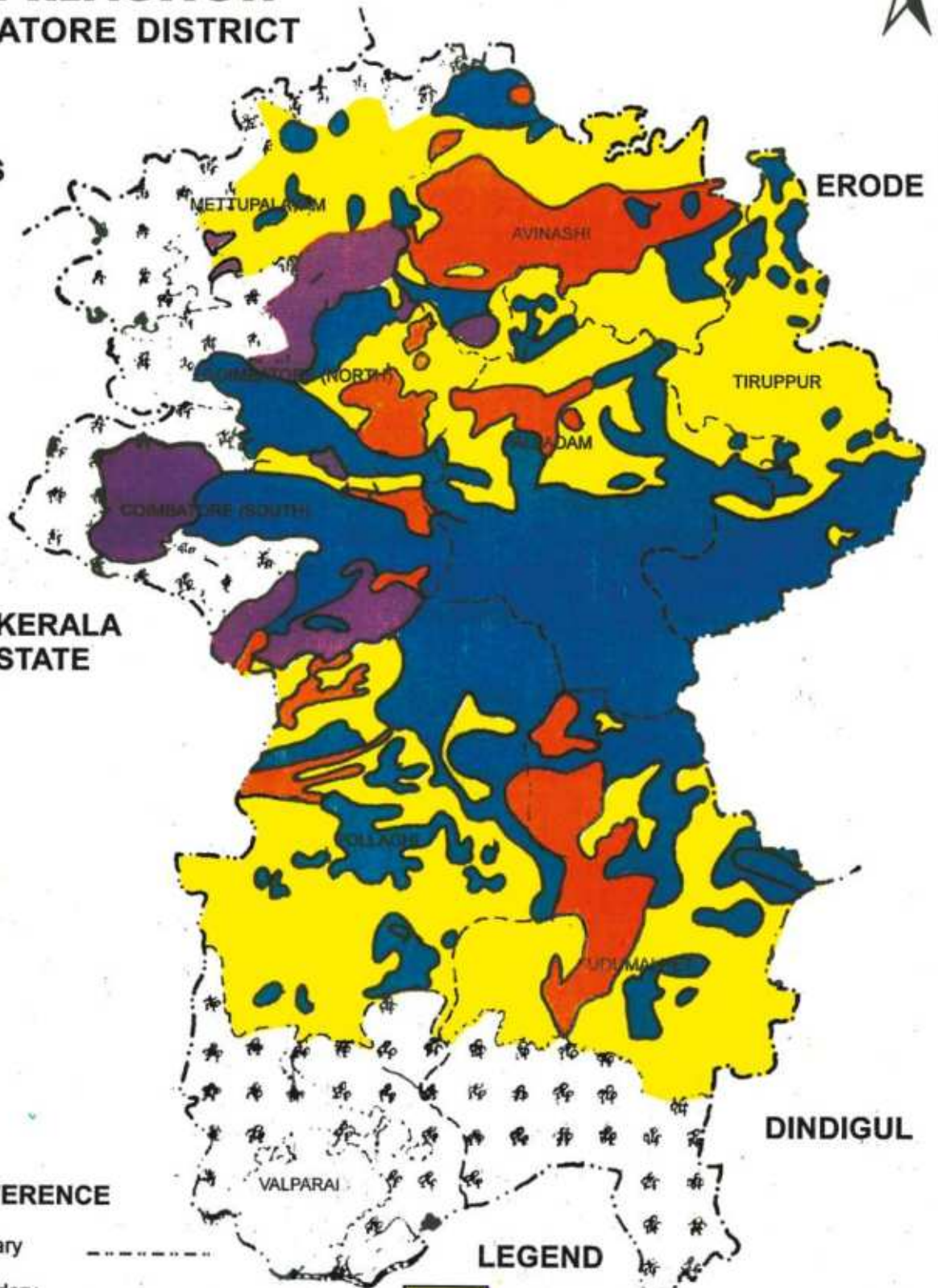
Neutral	Mildly Alkaline	Moderately Alkaline	Strongly Alkaline
p ^H 6.6-7.3	7.4 - 7.8	7.9 - 8.4	8.5 - 9.0
Irugur Anamalai Chavadiparai	Pichanur Somayyanur	Palladam Manupatty Palathurai Periyanaicken- palayam Noyyal Dasarapatti	Okkilipalayam Pilamedu Vellalur
Area (ha) 2,19,236	38,127	2,42,190	68,098

SOIL REACTION COIMBATORE DISTRICT



NILGIRIS

ERODE



KERALA
STATE

DINDIGUL

REFERENCE

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

LEGEND

-  NEUTRAL
-  MILDLY ALKALINE
-  MODERATELY ALKALINE
-  STRONGLY ALKALINE

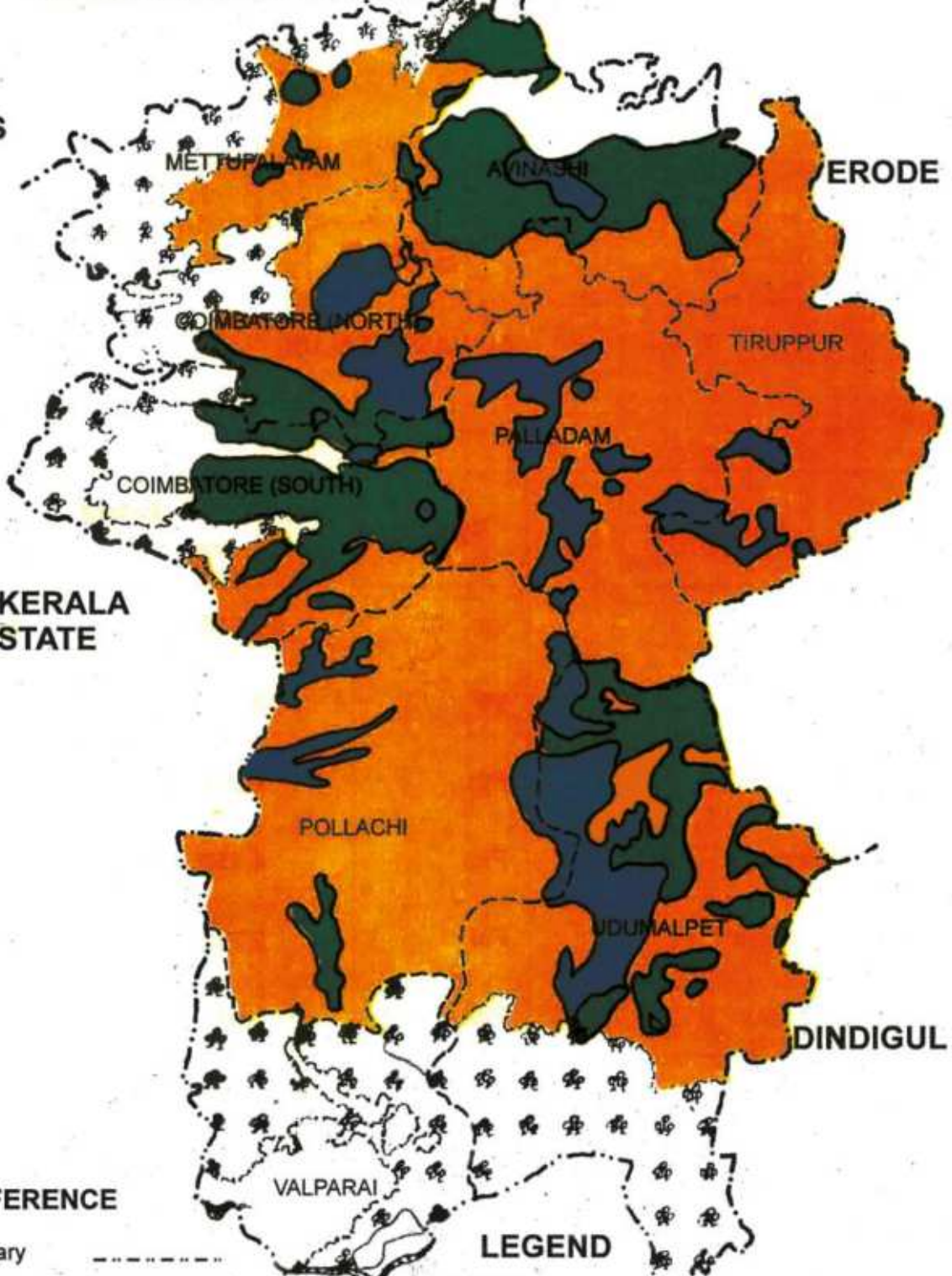
CATION EXCHANGE CAPACITY

Low [Less than 10 meq per 100gm of soil]	Medium [10 - 25 meq per 100g of soil]	High [Above 25 meq per 100g soil]
Somayyanur	Manupatty	Pilamedu
Irugur	Palathurai	Periyanaickenpalayam
Palladam	Vellalur	Dasarapatti
Pichanur	Anamalai	
Chavadiparai		
Okkilipalayam		
Noyyal		
Area (ha) 3,84,361	1,17,388	65,902

CATION EXCHANGE CAPACITY COIMBATORE DISTRICT



NILGIRIS



ERODE

METTUPALAYAM

AVINASHI

COIMBATORE (NORTH)

TIRUPPUR

COIMBATORE (SOUTH)

PALLADAM

KERALA
STATE

POLLACHI

UDUMALPET

DINDIGUL

VALPARAI

REFERENCE

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

LEGEND

-  LOW
-  MEDIUM
-  HIGH

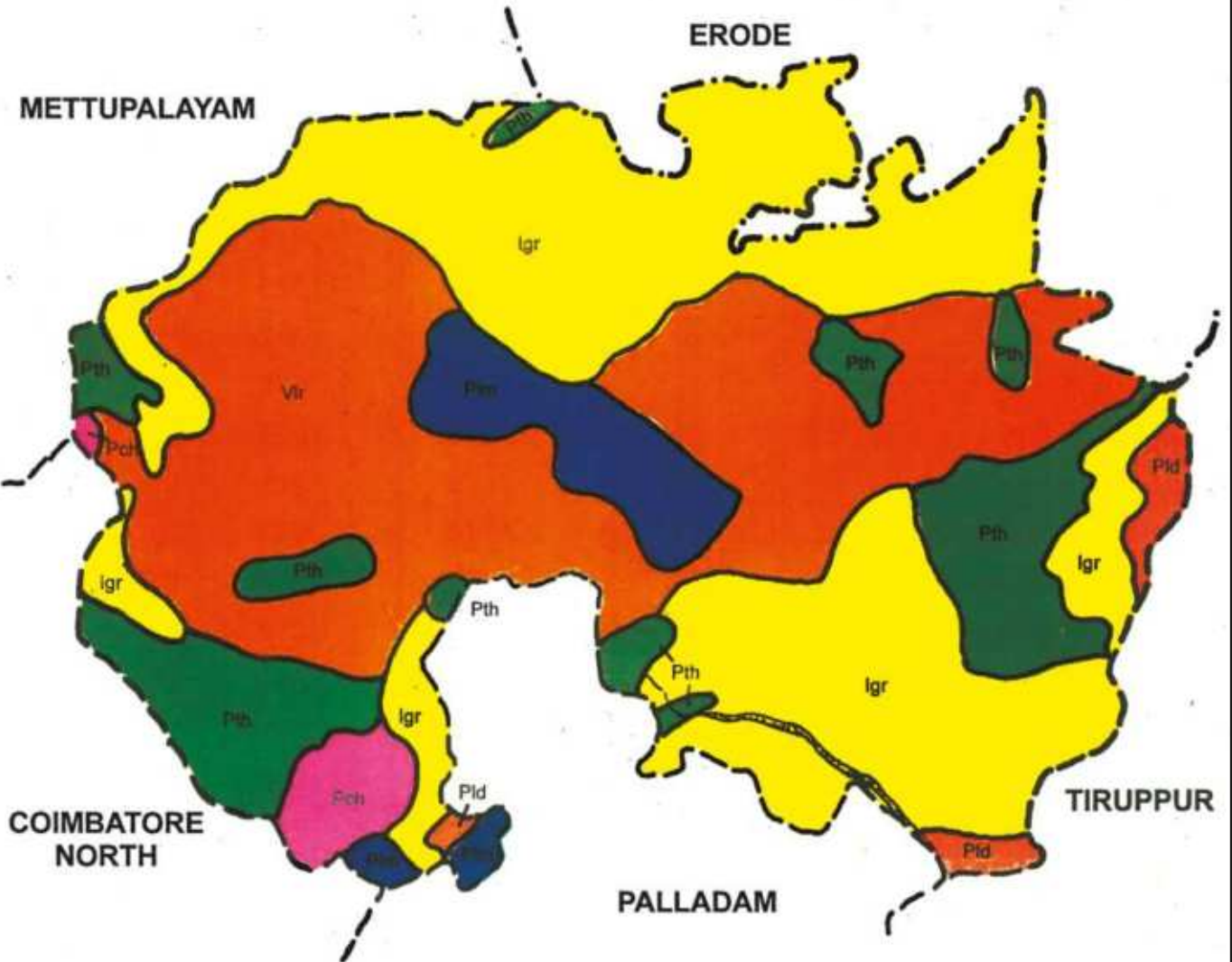
SOILS

AVINASHI TALUK

Soil series	Symbol	Extent	
		ha	%
Irugur	Igr	28,829	43.42
Vellalur	Vlr	19,959	30.06
Palathurai	Pth	9,286	14.00
Pilamedu	Plm	4,158	6.26
Palladam	Pld	2,218	3.34
Pichanur	Pch	1,940	2.92
Total		66,390	100 . 00

SOILS

AVINASHI TALUK



REFERENCE

- District boundary - - - - -
- Taluk boundary - . - . - .
- Rivers & Gully

LEGEND

- | | | | |
|-----|----------|-----|------------|
| Pch | PICHANUR | lgr | IRUGUR |
| pil | PILAMEDU | pth | PALATHURAI |
| pid | PALLADAM | vir | VELLALUR |

Village wise fertility status and soil series

AVINASHI TALUK

Name of the village		Fertility status (kg/ac)			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
1.	Akkaraichengapalli	67	9	287	Igr
2.	Alathur	70	10	164	Igr
3.	Allapalayam	72	8	275	Igr
4.	Ambodi	62	11	325	Igr
5.	Annur	62	11	312	Vlr, Plm
6.	Annur Mettupalayam	69	13	119	Igr, Plm
7.	Avinashi	63	8	239	Pth, Igr
8.	Ayyampalayam	72	9	271	Vlr, Pth
9.	Chemiyallur	70	10	310	Igr
10.	Chinnaraipalyam	69	11	274	Pth
11.	Kaniyampoondi	69	8	288	Igr, Pld
12.	Kanjapalli	75	13	254	Plm, Vlr
13.	Kanur	73	12	225	Vlr, Igr
14.	Kanuuvakarai	71	14	231	Igr
15.	Karegovundampalayam	70	12	242	Vlr, Igr
16.	Kariyampalayam	77	8	252	Vlr, Pth
17.	Karuvalur	73	9	299	Vlr, Igr
18.	Kattampatti	69	10	235	Vlr, Pth
19.	Kunnathur	72	9	261	Pth
20.	Kuppaipalayam	72	14	194	Igr, Vlr
21.	Kuppandampalayam	67	11	292	Igr, Pld
22.	Kuppanur	73	11	226	Igr, Vlr
23.	Kurumbapalayam	71	11	193	Vlr, Igr
24.	Kuttagam	82	12	202	Igr
25.	Mangarasavalaya-palayam	74	12	384	Pth, Pch

	Name of the village	Fertility status(kg/ac)			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
25.	Masakkavundenchetti palayam	65	12	310	Pth, Pch
27.	Muriyandampalayam	63	10	284	Vlr
28.	Naduvacheri	80	10	179	Vlr, Pth
29.	Nambiyampalayam	70	11	254	Igr
30.	Naranapuram	65	7	207	Igr, Pch
31.	Ottarpalayam	70	12	265	Vlr
32.	Pachapalayam	69	11	206	Pch, Plm
33.	Pappankulam	71	11	385	Vlr, Pth
34.	Pasur	65	9	219	Igr
35.	Pilliyappampalayam	72	13	268	Vlr
36.	Pogalur	66	12	302	Vlr, Igr
37.	Pongalur	75	10	200	Igr
38.	Pottampalayam	67	11	312	Igr
39.	Pudupalayam	74	8	283	Igr
40.	Pulipar	73	9	202	Igr
41.	Punjaithamaraikulam	81	11	306	Igr, Vlr
42.	Rakkipalayam	66	12	237	Igr
43.	Ramanathampuram	71	12	312	Plm
44.	Sevur	67	11	235	Vlr
45.	Thandukarampalayam	77	9	214	Vlr, Igr
46.	Thekkalur	69	10	275	Igr
47.	Thulukamuthur	68	10	185	Pld, Igr
48.	Upplipalayam	57	8	270	Vlr, Pth
49.	Vadakkalur	64	12	257	Vlr
50.	Vadavalli	66	10	285	Pth, Igr
51.	Vadugapalayam	74	10	265	Vlr
52.	Velaythampalayam	67	10	244	Igr
53.	Vetturapalayam	68	11	316	Vlr

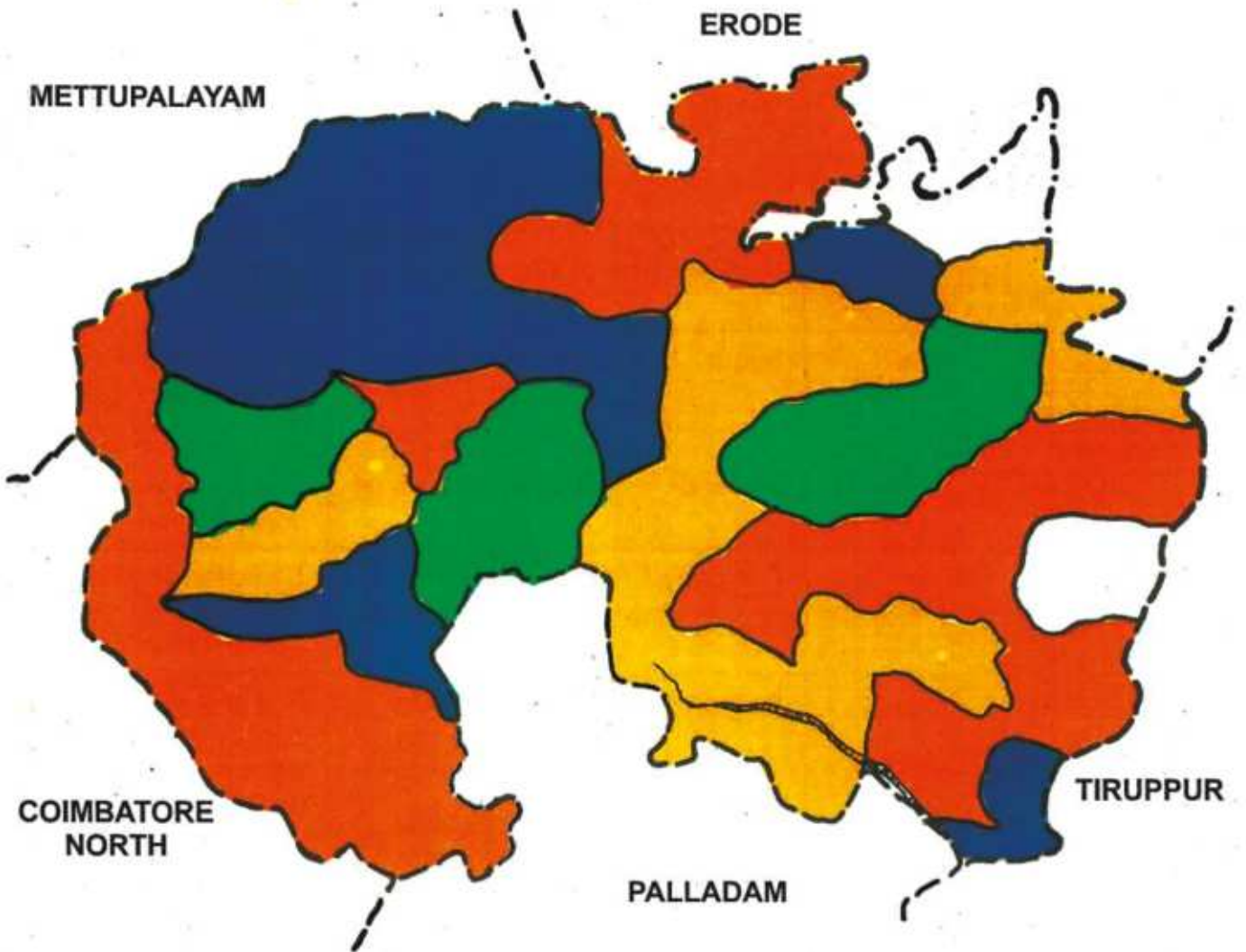
WATER QUALITY

AVINASHI TALUK

S.No.	GeoChemical type	No. of Village
1.	Calcium Chloride	10
2.	Calcium Bicarbonate	7
3.	Sodium Chloride	18
4.	Sodium Bicarbonate	10
	Total	45

WATER QUALITY

AVINASHI TALUK



REFERENCE

- District boundary - - - - -
- Taluk boundary - - - - -
- Rivers & Gully

LEGEND

- CALCIUM BICARBONATE
- CALCIUM CHLORIDE
- SODIUM BICARBONATE
- SODIUM CHLORIDE

LAND CAPABILITY

AVINASHI TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
19,959	II e	Vellalur	Erosion	Soil conservation, growing selected crops
9,286	II es	Palathurai	Erosion, presence of kankar in the solum	Soil conservation, growing selected crops
28,829	III es	Irugur	Erosion, medium soil depth, more of gravels	Soil and water conservation
2,218	III e	Pichanur	Erosion and run off	Soil and water conservation
1,940	III se	Pilamedu	Heavy texture, moderate alkalinity, sheet erosion	Selection of crops and soil conservation
4,158	IV es	Palladam	Erosion, coarse texture, shallow depth	Soil and water conservation, pasture development

LEGEND

CLASS

II - Lands that have moderate limitations for sustained use under agriculture

III - Lands that have severe limitations for sustained use under agriculture

IV - Lands that have very severe limitations for agriculture and require careful management

SUBCLASS

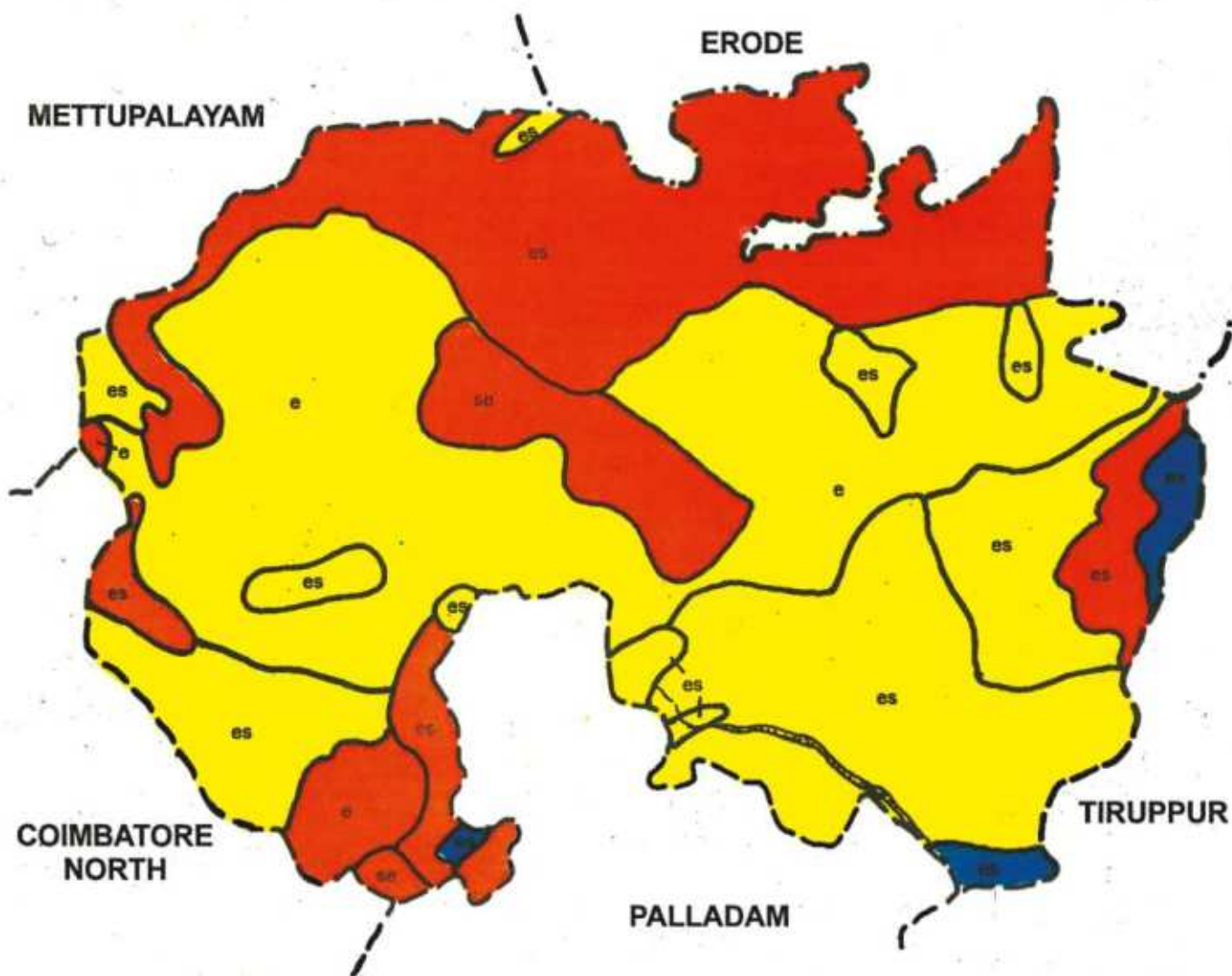
t - topography

s - soil problem

e - erosion


LAND CAPABILITY

AVINASHI TALUK






LEGEND

REFERENCE

- District boundary - - - - -
- Taluk boundary - - - - -
- Rivers & Gully 

CLASS

-  GOOD CULTIVABLE LAND
-  MODERATELY GOOD CULTIVABLE LAND
-  FAIRLY GOOD CULTIVABLE LAND

SUB CLASS

- e - EROSION
- s - SOIL LIMITATIONS

LAND IRRIGABILITY

AVINASHI TALUK

Area (ha)	Irrigability classification	Soil series	Limitation
9,286	2 s	Palathurai	Presence of kankar nodules in the solum
19,959	2 d	Vellalur	Stratification of layers
1,940	3 ts	Pichanur	Topography and run-off, coarse texture
28,829	3 st	Irugur	Presence of gravels, moderate soil depth, topography
4,158	3 ds	Pilamedu	Poor drainage and soil alkalinity
2,218	4 st	Palladam	Shallow depth, more of CaCO ₃ , topography

LEGEND

Class

2 - Lands that have moderate soil limitation for sustained use under irrigation.

3 - Lands that have severe soil limitations for sustained use under irrigation.

4 - Lands that are marginal for sustained use under irrigation.

Sub-class

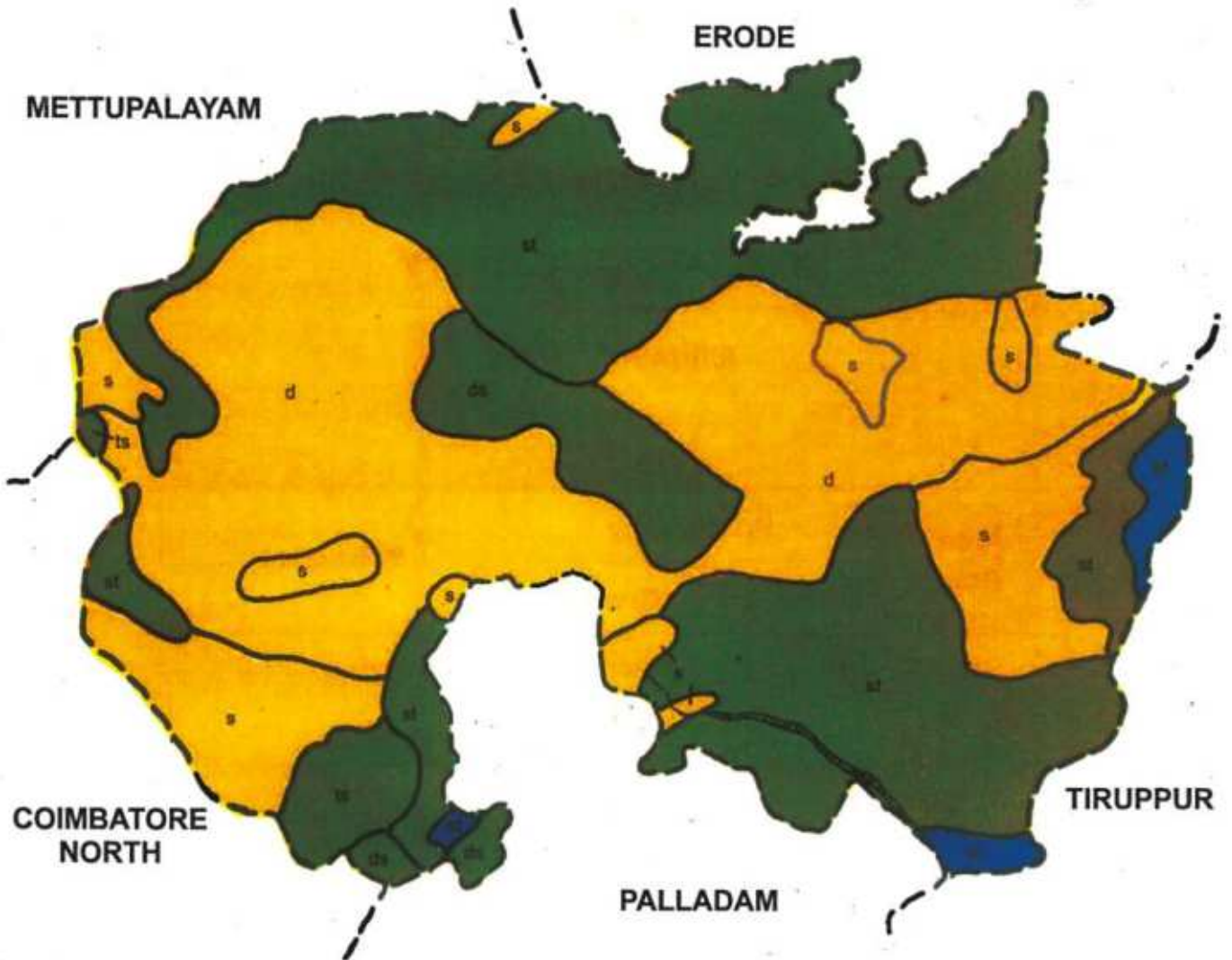
t - topography

e - soil problem

d - drainage


LAND IRRIGABILITY

AVINASHI TALUK






LEGEND

REFERENCE

- District boundary - - - - -
- Taluk boundary - - - - -
- Rivers & Gully 

CLASS

-  MODERATE LIMITATIONS
-  SEVERE LIMITATIONS
-  VERY SEVERE LIMITATIONS

SUB CLASS

- s - SOIL LIMITATIONS
- t - TOPOGRAPHY
- d - DRAINAGE

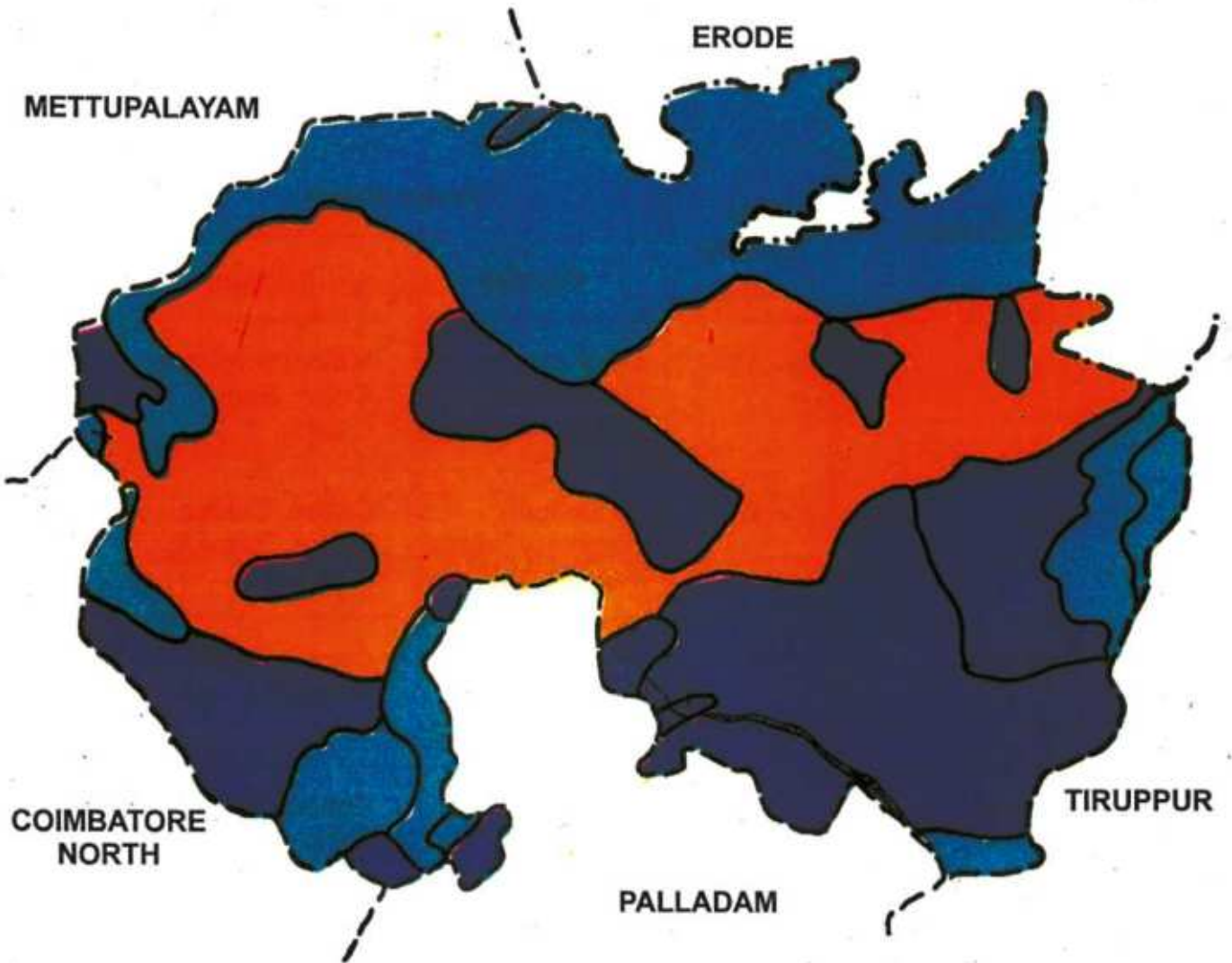
SOIL PRODUCTIVITY

AVINASHI TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
32,987	8 - 19	Poor	Palladam Irugur Pichanur
13,444	20 - 34	Average	Pilamedu Palathurai
19,959	35 - 64	Good	Vellalur

SOIL PRODUCTIVITY

AVINASHI TALUK



REFERENCE

- District boundary - - - - -
- Taluk boundary - - - - -
- Rivers & Gully

LEGEND

- GOOD
- POOR
- AVERAGE

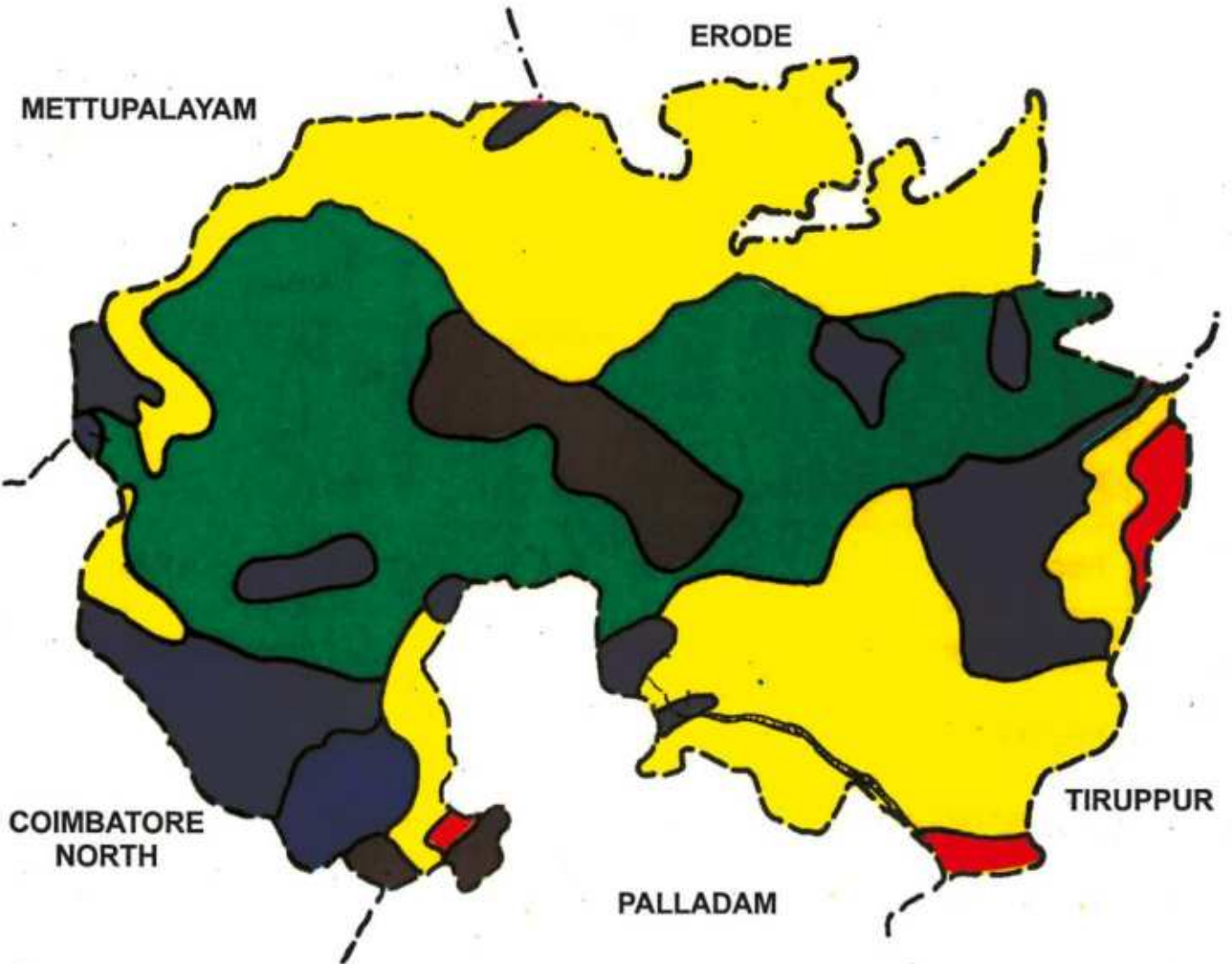
CROPS GROWN

AVINASHI TALUK

Soil series	Map Symbol	Crops grown	
		Rainfed	Irrigated
Vellalur	1	Sorghum, Groundnut, Pulses, Tapioca	Maize, Sorghum, Onion, Ragi, Cumbu.
Irugur	2	Groundnut, Sorghum, Pulses, Tapioca.	Cotton, Chillies, Maize, Turmeric, Tobacco.
Palathurai	3	Sorghum, Groundnut, Pulses, Arecanut.	Cotton, Onion, Tobacco.
Palladam	4	Horsegram, Groundnut, Sorghum, other Pulses.	Cotton, Onion, Tobacco.
Pilamedu	5	Sorghum, Bengalgram and other pulses.	Cotton, Maize, Ragi, Paddy.
Pichanur	6	Groundnut, Minor Millets.	Sorghum, Groundnut, Cotton, Cumbu.

CROPS GROWN

AVINASHI TALUK



REFERENCE

- District boundary - - - - -
- Taluk boundary - - - - -
- Rivers & Gully

LEGEND

- | | |
|-----|-----|
| - 1 | - 7 |
| - 3 | - 8 |
| - 6 | - 9 |

SOILS

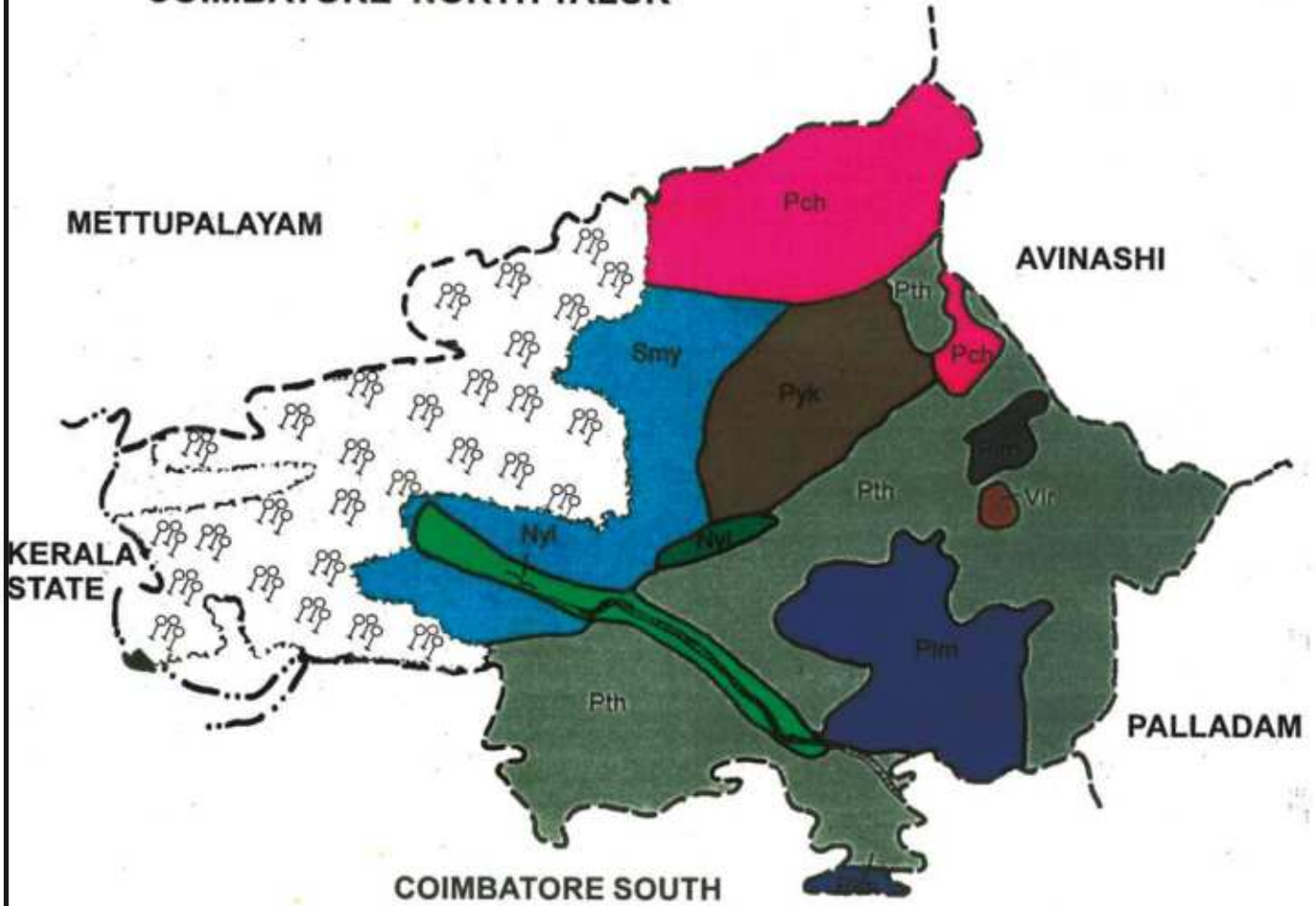
COIMBATORE NORTH TALUK

Soil series	Symbol	Extent	
		(ha)	%
Palathurai	Pth	16,863	28.54
Pichanur	Pch	7,026	11.89
Somayyanur	Smy	6,604	11.18
Pilamedu	Plm	5,340	9.03
Perianaickenpalayam	Pyk	4,075	6.90
Noyyal	Nyl	2,389	4.04
Vellalur	Vlr	281	0.48
Forests	-	16,505	27.94
Total		59,083	100.00



SOILS

COIMBATORE NORTH TALUK



LEGEND

REFERENCE

- State boundary
- Taluk boundary
- Rivers & Gully
- Forest boundary

- Nyl NOYYAL
- Pilm PILAMEDU
- Pyk PERIYANAICKANPALAYAM
- Smy SOMAYYANUR

- Pth PALATHURAI
- Vir VELLALUR
- Pch PICHANUR

Village wise fertility status and soil series

COIMBATORE NORTH TALUK

Name of the village		Fertility status (kg / ac)			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
1.	Agraharasamakulam	74	14	241	Pyk, Pch
2.	Bilichi	73	13	338	Pch
3.	Chinnathadagam	81	16	313	Smy
4.	Chinnavedampatti	82	15	265	Plm
5.	Goundempalayam	55	19	285	Pth, Nyl
6.	Idikarai	76	14	282	Pyk
7.	Kalapatti	73	10	290	Pth, Plm
8.	Kiranatham	65	14	264	Pth
9.	Kondayampalayam	80	13	245	Pth
10.	Kudalur	78	13	253	Pch, Smy
11.	Kurudampalayam	65	4	315	Smy
12.	Naickenpalayam	80	10	270	Smy
13.	Nanjundapuram	70	12	310	Smy
14.	Narasimbanaicken palayam	84	14	288	Pyk, Smy
15.	Pannimadai	90	10	257	Pth, Smy

Name of the village	Fertility status (kg / ac)			Dominant soil series
	Nitrogen	Phosphorous	Potassium	
16. Periyanaickenpalayam	87	15	275	Pyk
17. Saravanampatti	89	14	205	Plm
18. Sarkarsamakulam	66	12	245	Pth, Plm
19. Somayampalayam	86	8	287	Pth
20. Thudiyalur	79	9	200	Pth
21. Veerakeralam	62	15	276	Pth
22. Veerapandi	83	11	268	Pch, Pyk
23. 24. Veerapandi	75	12	295	Smy
24. Vellakinaru	80	13	337	Pth
25. Vellamadai	77	11	305	Pth, Pch
26. Vellanipatti	55	11	271	Pth
27. Vilankurichi	64	13	255	Plm

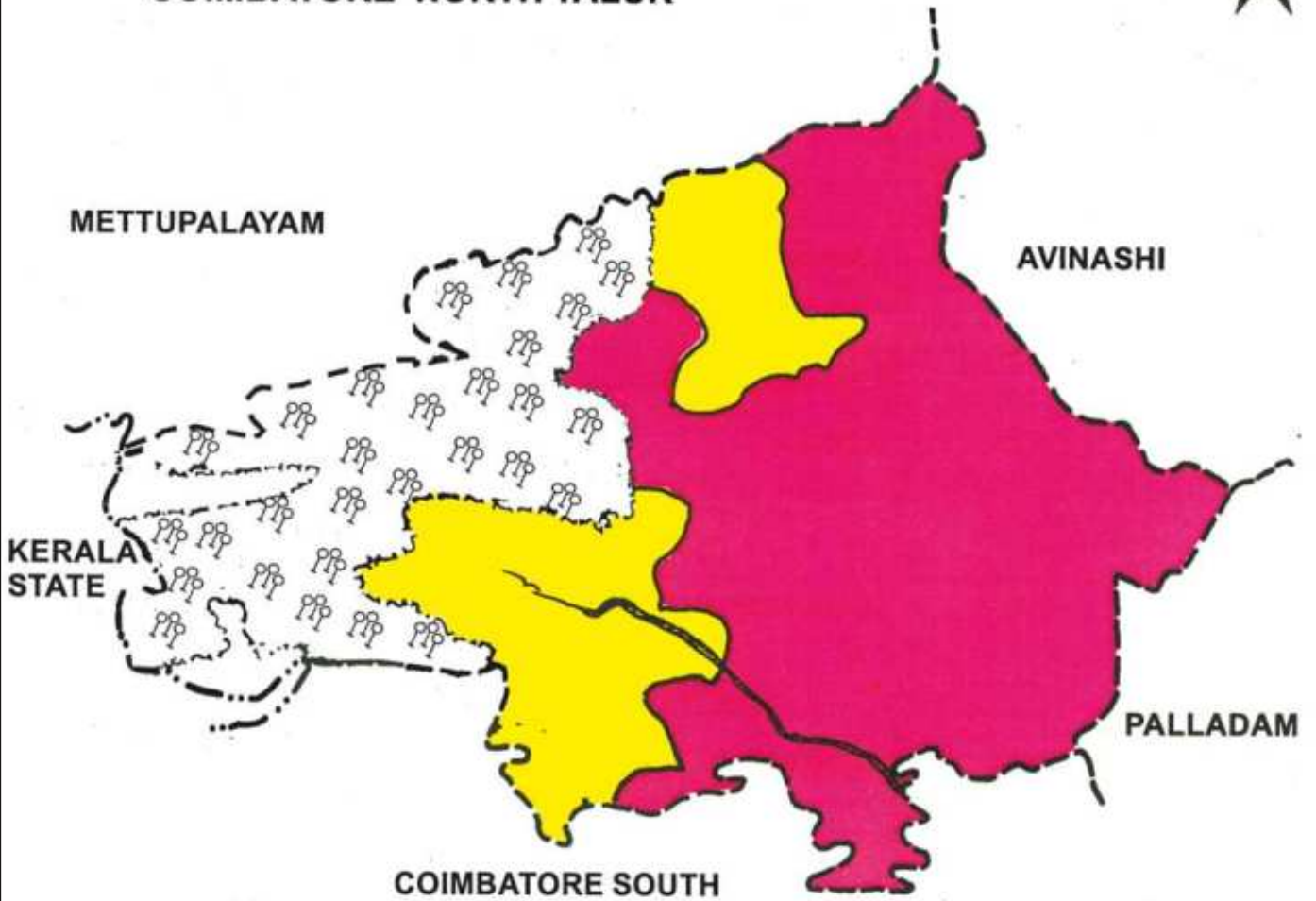
WATER QUALITY

COIMBATORE NORTH TALUK




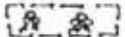
S.No.	GeoChemical type	No. of Village
1.	Calcium Chloride	—
2.	Calcium Bicarbonate	8
3.	Sodium Chloride	18
4.	Sodium Bicarbonate	—
	Total	26

WATER QUALITY



COIMBATORE NORTH TALUK



REFERENCE

- State boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

LEGEND

-  CALCIUM BICARBONATE
-  SODIUM CHLORIDE

LAND CAPABILITY

COIMBATORE NORTH TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
6,604	II e	Somayyanur	Erosion and run off	Soil and water conservation
2,389	II w	Noyyal	Soil wetness	Selection of crops
281	II e	Vellalur	Erosion	Soil conservation, growing selected crops
16,863	II es	Palathurai	Erosion, presence of kankar in the solum	Soil conservation, growing selected crops
7,026	III e	Pichanur	Erosion and run off	Soil and water conservation
5,340	III se	Pilamedu	Heavy texture, moderate alkalinity, sheet erosion.	Selection of crops and soil conservation
4,075	III se	Perianaickenpalayam	Heavy texture slow permeability	Selection of crops and soil conservation

LEGEND

II - Lands that have moderate limitations for sustained use under agriculture.

III - Lands that have severe limitations for sustained use under agriculture.

SUB CLASS

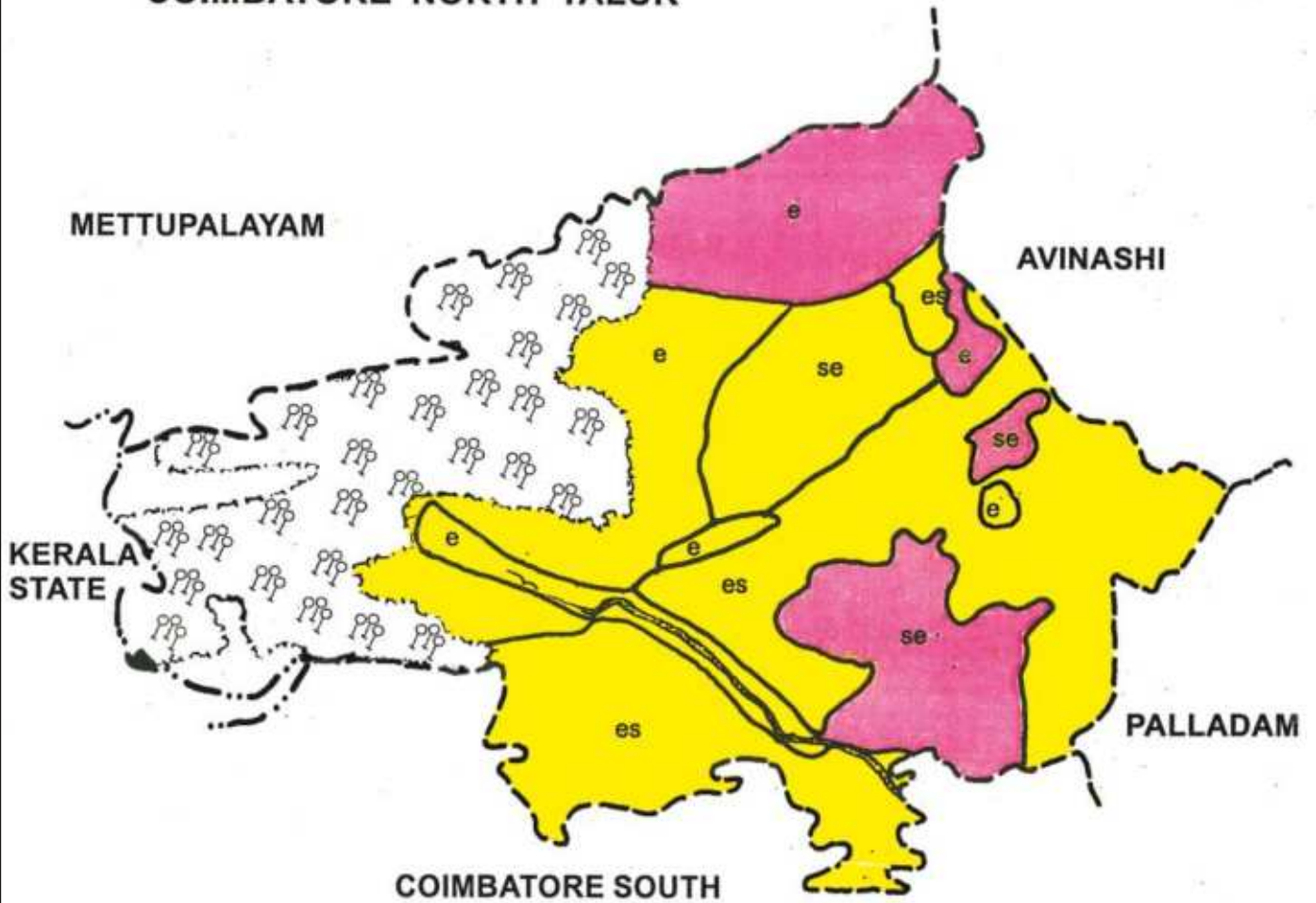
s - soil problem

e - erosion

w - wetness

LAND CAPABILITY



COIMBATORE NORTH TALUK



REFERENCE

- State boundary - - - - -
- Taluk boundary - - - - -
- Rivers & Gully
- Forest boundary

LEGEND

CLASS	SUB CLASS
	GOOD CULTIVABLE LAND
	MODERATELY GOOD CULTIVABLE LAND
	e - EROSION
	s - SOIL LIMITATIONS

LAND IRRIGABILITY

COIMBATORE NORTH TALUK

Area (ha)	Irrigability classification	Soil series	Limitation
16,863	2 s	Palathurai	Presence of kankar nodules in the solum
6,604	2 t	Somayyanur	Topography and run off
2,670	2 d	Vellalur Noyyal	Moderate permeability and drainage
7,026	3t	Pichanur	Topography and run off, coarse taxture
4,075	3 d	Periyanaickenpalayam	Slow permeability and drainage
5,340	3 ds	Pilamedu	Moderate drainage and persence of kankar in the solumn

LEGEND

CLASS

2 - Lands that have moderate soil limitations for sustained use under irrigation.

3 - Lands that have severe soil limitations for sustained use under irrigation.

SUB CLASS

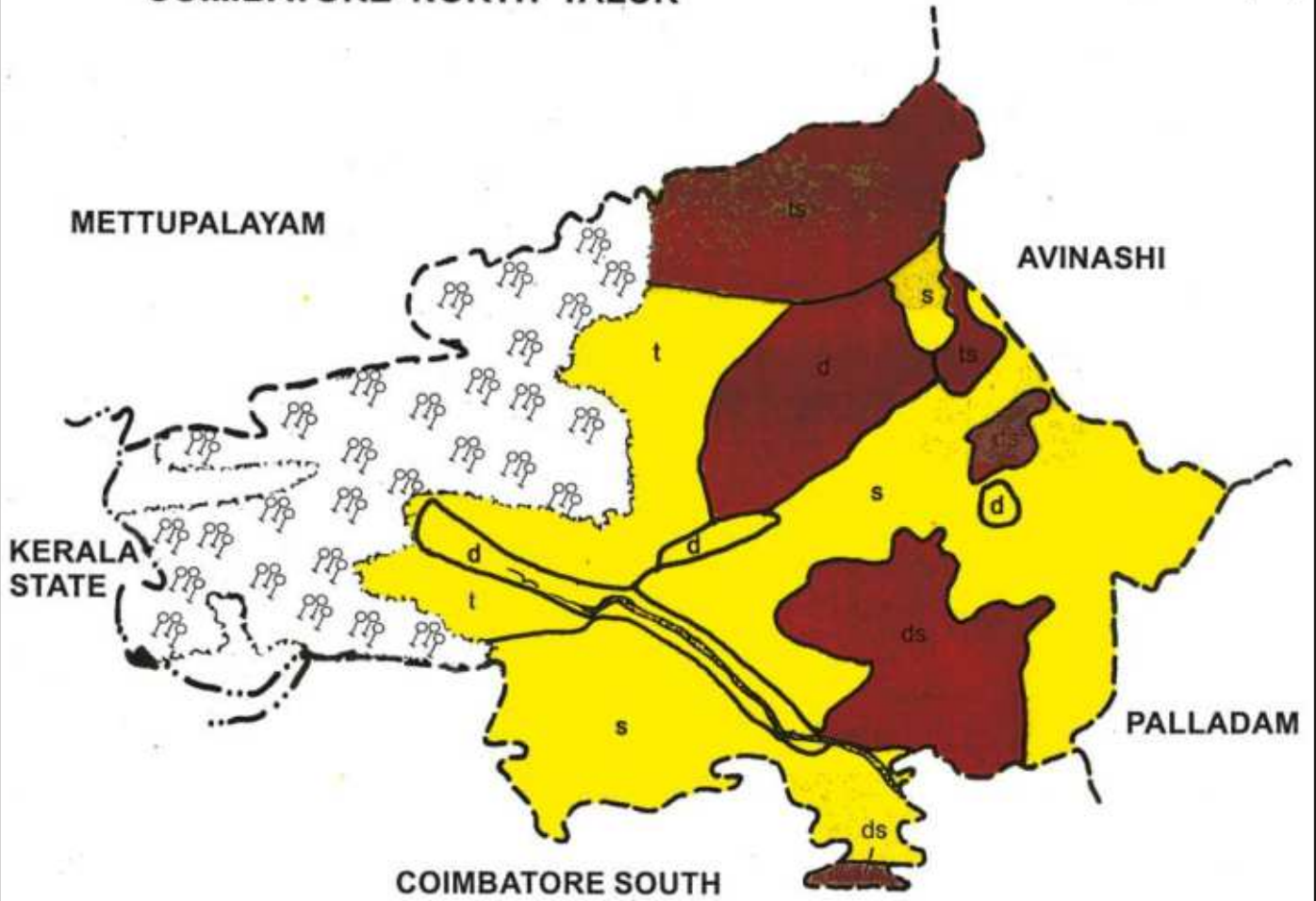
t - topography

s - soil problem



d - drainage

LAND IRRIGABILITY



COIMBATORE NORTH TALUK



REFERENCE

- State boundary -----
- Taluk boundary - - - - -
- Rivers & Gully 
- Forest boundary 

LEGEND

CLASS	SUB CLASS
 MODERATE LIMITATIONS	s - SOIL LIMITATIONS
 SEVERE LIMITATIONS	t - TOPOGRAPHY
	d - DRAINAGE

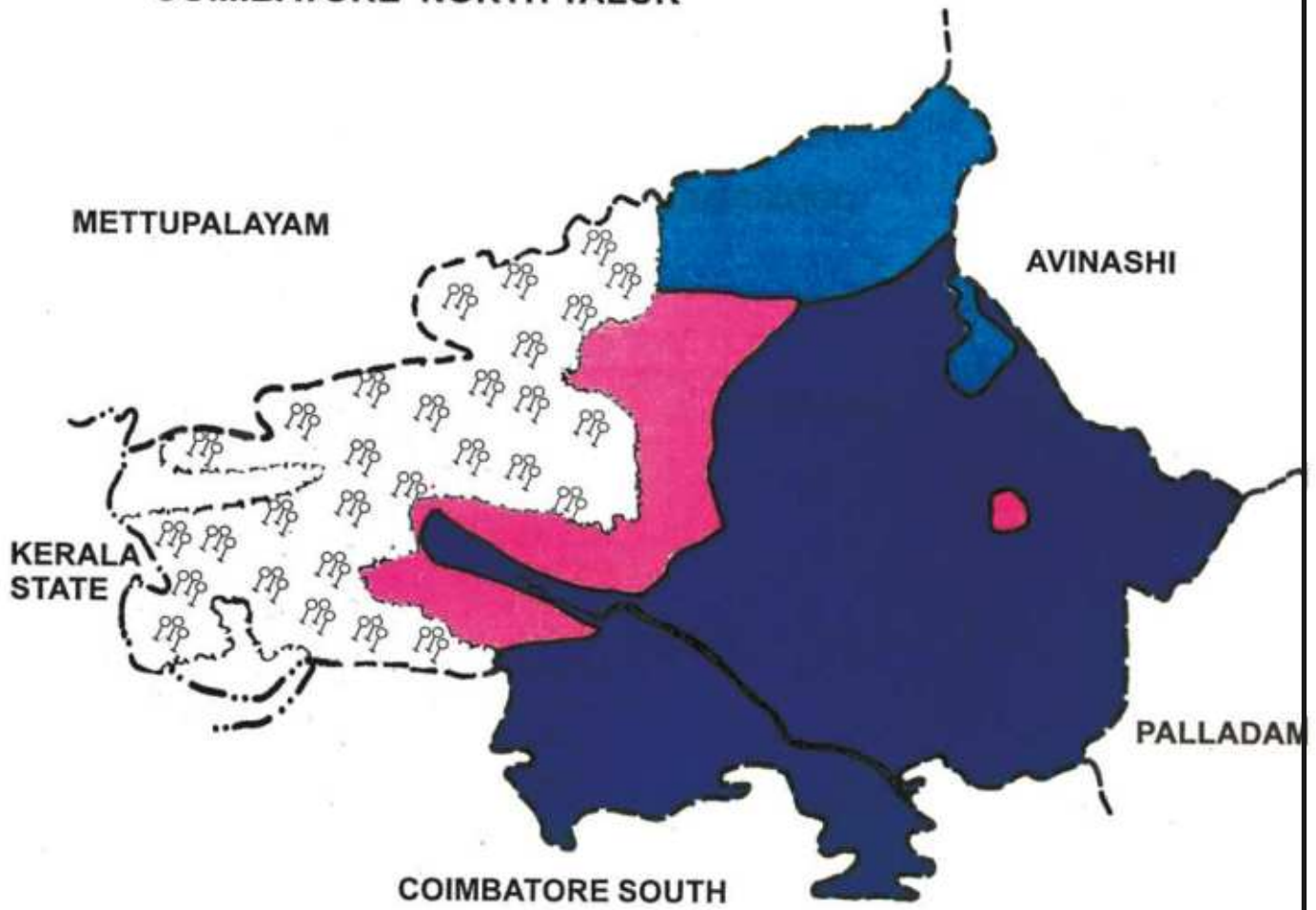
SOIL PRODUCTIVITY

COIMBATORE NORTH TALUK





Area (ha)	Productivity		Soil series
	Rating	Grouping	
7,026	9 - 19	Poor	Pichanur
45,172	20 - 34	Average	Periyanaickenpalayam Pilamedu Palathurai
6,885	35 - 64	Good	Vellalur Somayyanur

SOIL PRODUCTIVITY

COIMBATORE NORTH TALUK



REFERENCE

- State boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

LEGEND

-  GOOD
-  POOR
-  AVERAGE

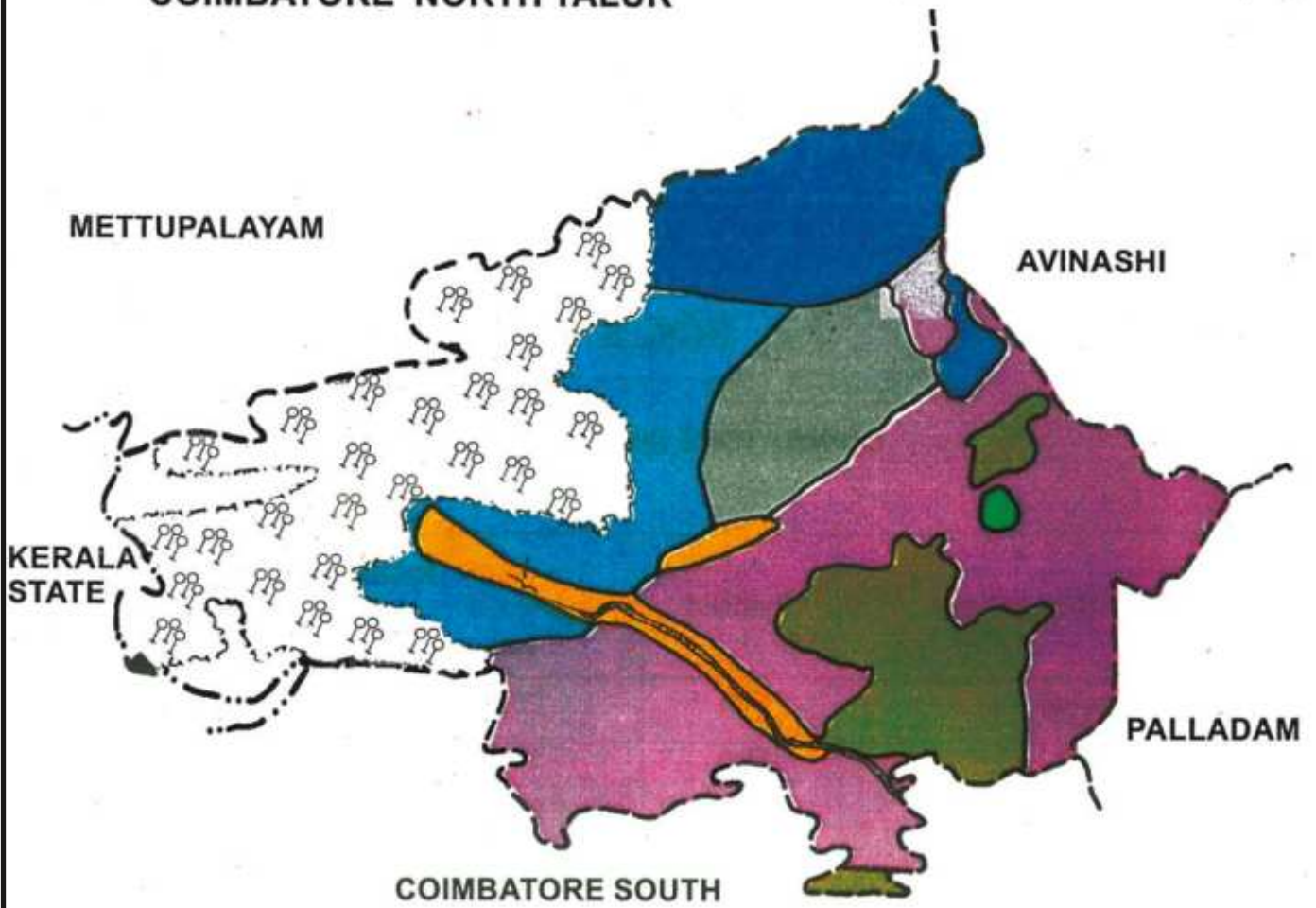
CROPS GROWN

COIMBATORE NORTH TALUK

Soil series	Map symbol	Crops grown	
		Rain fed	Irrigated
Palathurai	1	Sorghum, Groundnut, Pulses	Cotton, Ragi, Paddy, Cumbu
Pichanur Somayyanur	2	Sorghum, Cumbu, Tapioca, Pulses	Cotton, Ragi, Cumbu, Chillies
Pilamedu	3	Sorghum, Pulses	Cotton, Sugarcane, Maize
Periyanaicken- palayam	4	Sorghum, Cowpea, LabLab Greengram	Cotton, Maize, Paddy, Ragi
Noyyal	5	—	Sugarcane, Paddy, Banana, Coconut, Betavine
Vellalur	6	Sorghum, Pulses Groundnut, Tapioca	Maize, Sorghum Groundnut, Cotton

CROPS GROWN








COIMBATORE NORTH TALUK



REFERENCE

- State boundary -----
- Taluk boundary - - - - -
- Rivers & Gully
- Forest boundary

LEGEND

- | | |
|---|---|
|  - 1 |  - 5 |
|  - 2 |  - 6 |
|  - 3 |  - 8 |
|  - 4 | |

SOILS

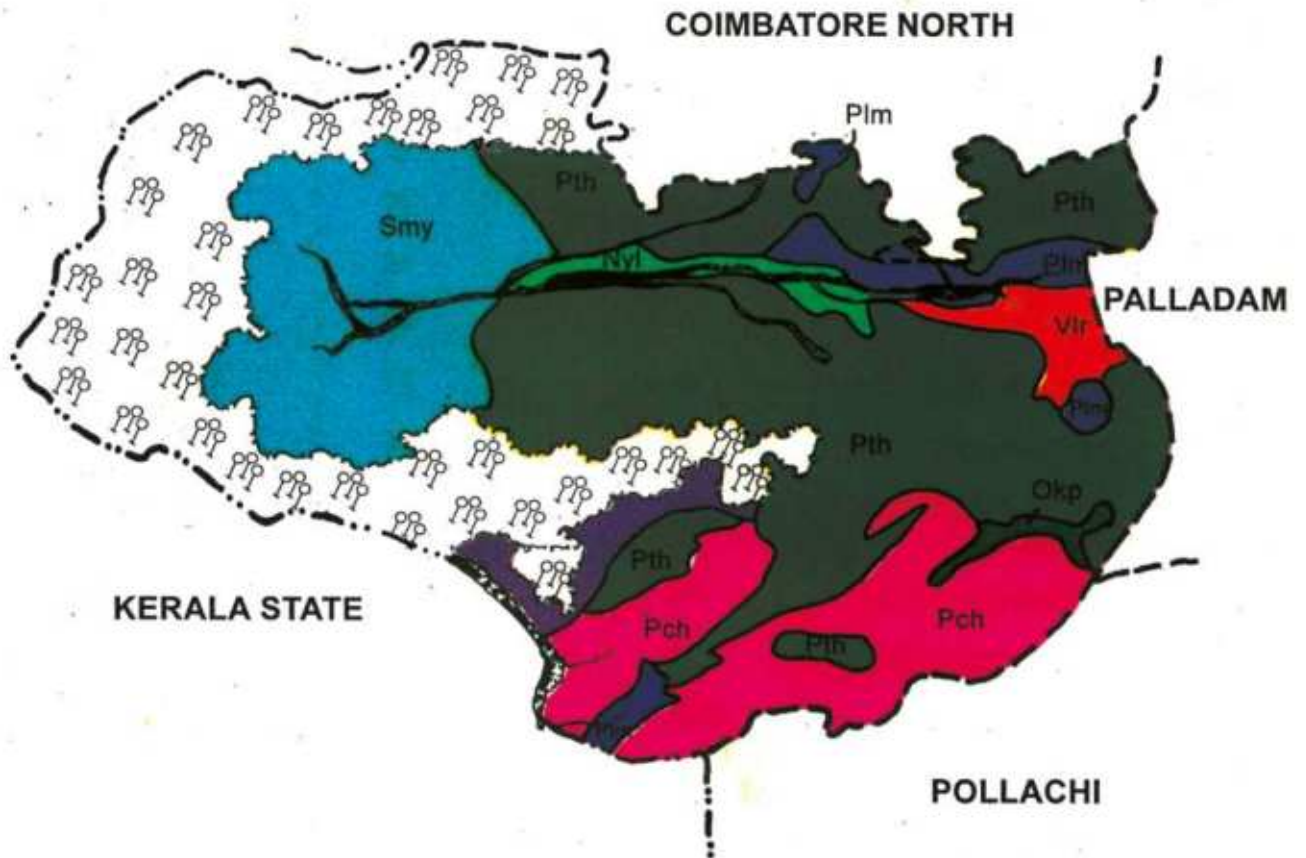
COIMBATORE SOUTH TALUK

Soil series	Symbol	Extent	
		ha	%
Palathurai	Pth	25,912	33.49
Pichanur	Pch	11,314	14.62
Somayyanur	Smy	10,401	13.44
Pilamedu	Plm	3,285	4.25
Noyyal	Nyl	2,372	3.07
Vellalur	Vlr	2,007	2.59
Okkilipalayam	Okp	1,095	1.41
Chavadipari	Cvp	913	1.18
Forests		20,084	25.95
Total		77,383	100.00



SOILS

COIMBATORE SOUTH TALUK



REFERENCE

- District boundary
- Taluk boundary
- Rivers & Gully
- Forest boundary

LEGEND

- | | | | |
|-----|------------|-----|---------------|
| Plm | PILAMEDU | Cvp | CHAVADIPARAI |
| Pth | PALATHURAI | Pch | PICHANUR |
| Nyl | NOYYAL | Smy | SOMAYYANUR |
| Vlr | VELLALUR | Okp | OKKILIPALAYAM |

Village wise fertility status and soil series

COIMBATORE SOUTH TALUK

	Name of the village	Fertility status (kg/ac)			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
1.	Alanthurai	65	9	315	Smy
2.	Anupparpalayam	67	9	285	Pth
3.	Arisipalayam	72	10	297	Pth
4.	Chettipalayam	80	12	271	Pth
5.	Devarayapuram	60	17	232	Smy
6.	Ettimadai	66	19	217	Pth, Pch
7.	Ganapathy	76	15	183	Plm, Pth
8.	Ikkaraipoluvampatti	65	17	411	Smy
9.	Kalikanaickenpalayam	80	16	282	Pth
10.	Karunchamigoundenpalayam	69	12	351	Pth, Plm
11.	Kilchitharaichavadi	72	7	265	Pth
12.	Krishnarayapuram	73	10	232	Plm
13.	Kumarapalayam	68	9	312	Plm, Pth
14.	Kuniamuthur	82	9	210	Plm, Pth
15.	Kurichi	75	9	282	Pth
16.	Madhampatti	74	13	208	Pth
17.	Madukkarai	74	11	135	Pth
18.	Malumichampatti	69	18	185	Pch
19.	Mathavarayapuram	72	8	295	Smy
20.	Melchitharaisavadi	57	12	269	Nyl
21.	Myleripalayam	78	14	176	Pth
22.	Narasipuram	74	11	225	Smy
23.	Oratukupai	75	14	219	Pth
24.	Othakalmandapam	59	11	223	Pch
25.	Palathurai	74	13	312	Pth

	Name of the village	Fertility status (kg/ac)			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
26.	Perur	78	8	294	Pch
27.	Peururchettipalayam	65	8	312	Pth
28.	Poluvampatti	82	10	255	Smy, Ptch
29.	Puliakulam	79	9	268	Plm
30.	Ramanathapuram	71	11	265	Plm
31.	Sankanur	65	11	313	Pth, Nyl
32.	Seerapalayam	70	9	305	Pth, Pch
33.	Singanallur	73	16	245	Pth
34.	Sowripalayam	71	9	296	Pth
35.	Sundakamuthur	70	80	268	Pth
36.	Thampagoundenpalayam	65	11	256	Pch, pth
37.	Theethipalayam	72	12	215	Pth
38.	Thelungupalayam	65	13	245	Pth, Plm
39.	Thenkarai	88	10	265	Pth
40.	Thennamanallur	55	19	233	Smy
41.	Thirumalaiyampalayam	72	12	283	Plm, Pth
42.	Thondamuthur	59	13	235	Pth, Smy
43.	Uppilipalayam	81	10	275	Pth
44.	Vadavalli	64	9	298	Pth
45.	Valukkuparai	78	16	236	Pth, Pch
46.	Vedapatti	65	10	285	Pth
47.	Vellalur	70	14	268	Plm, Pth
48.	Vellimalaipattinam	72	12	315	Smy

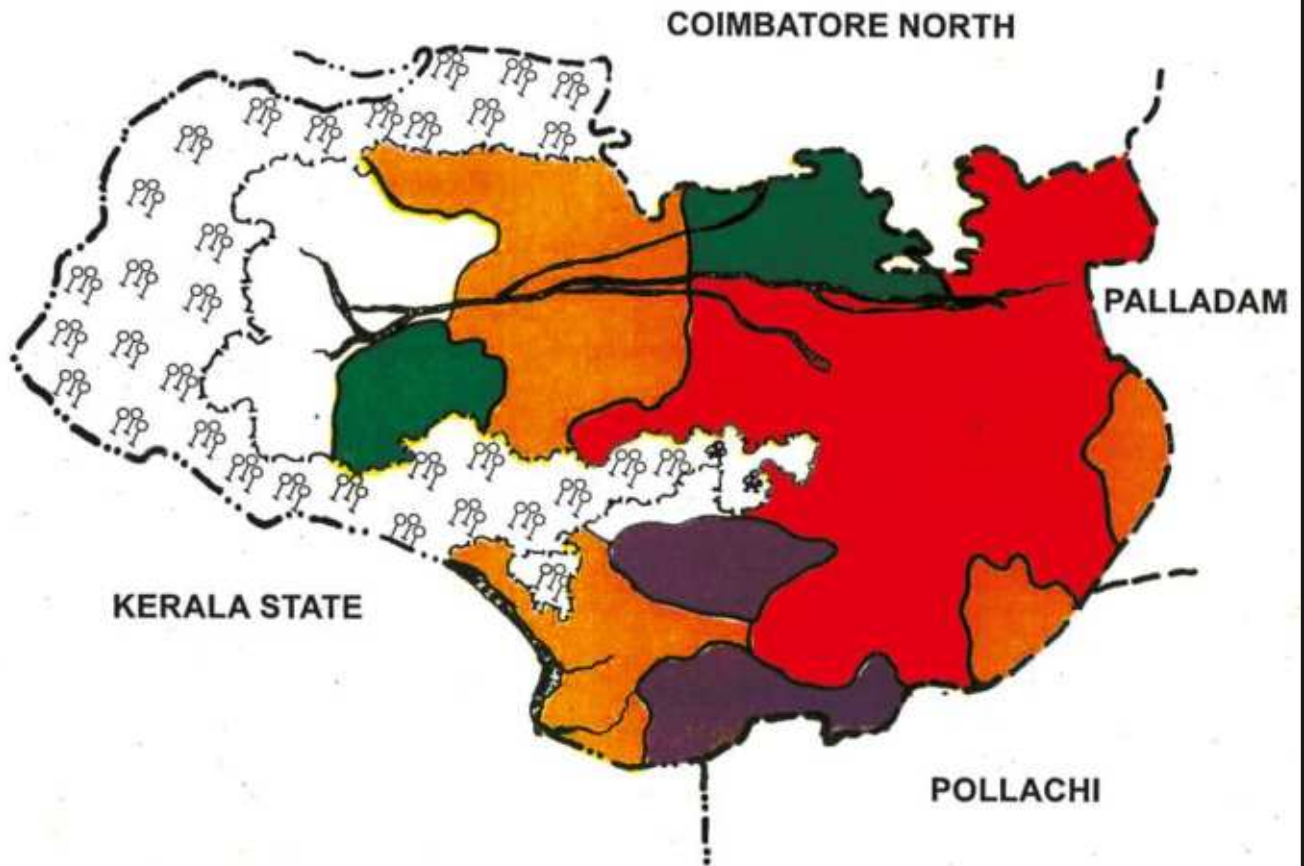
WATER QUALITY

COIMBATORE SOUTH TALUK





S.No.	GeoChemical type	No. of Village
1.	Calcium Chloride	9
2.	Calcium Bicarbonate	2
3.	Sodium Chloride	15
4.	Sodium Bicarbonate	—
	Total	26

WATER QUALITY

COIMBATORE SOUTH TALUK



REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

LEGEND

-  CALCIUM BICARBONATE
-  CALCIUM CHLORIDE
-  SODIUM BICARBONATE
-  SODIUM CHLORIDE

LAND CAPABILITY

COIMBATORE SOUTH TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
10,401	II e	Somayyanur	Erosion and run - off	Soil and water conservation
2,372	II w	Noyyal	Soil wetness	Selection of crop.
2,007	II e	Vellalur	Erosion	Soil conservation, growing selected crops.
913	II e	Chavadiparai	Erosion and run - off	- do -
25,912	II es	Palathurai	Erosion, presence of kankar in the solum	Soil conservation, growing selected crops
11,314	III e	Pichanur	Erosion and run - off	- do -
3,285	III es	Pilamedu	Heavy texture, moderate alkalinity, sheet erosion.	Selection of crops and soil conservation
1,095	IV es	Okkilipalayam	Erosion, run off shallow depth, coarse texture.	Soil and moisture conservation, growing suitable crops.

LEGEND

CLASS

II - Lands that have moderate limitations for sustained use under agriculture

III - Lands that have severe limitations for sustained use under agriculture

IV - Lands that have very severe limitations for agriculture and require careful management

SUB CLASS

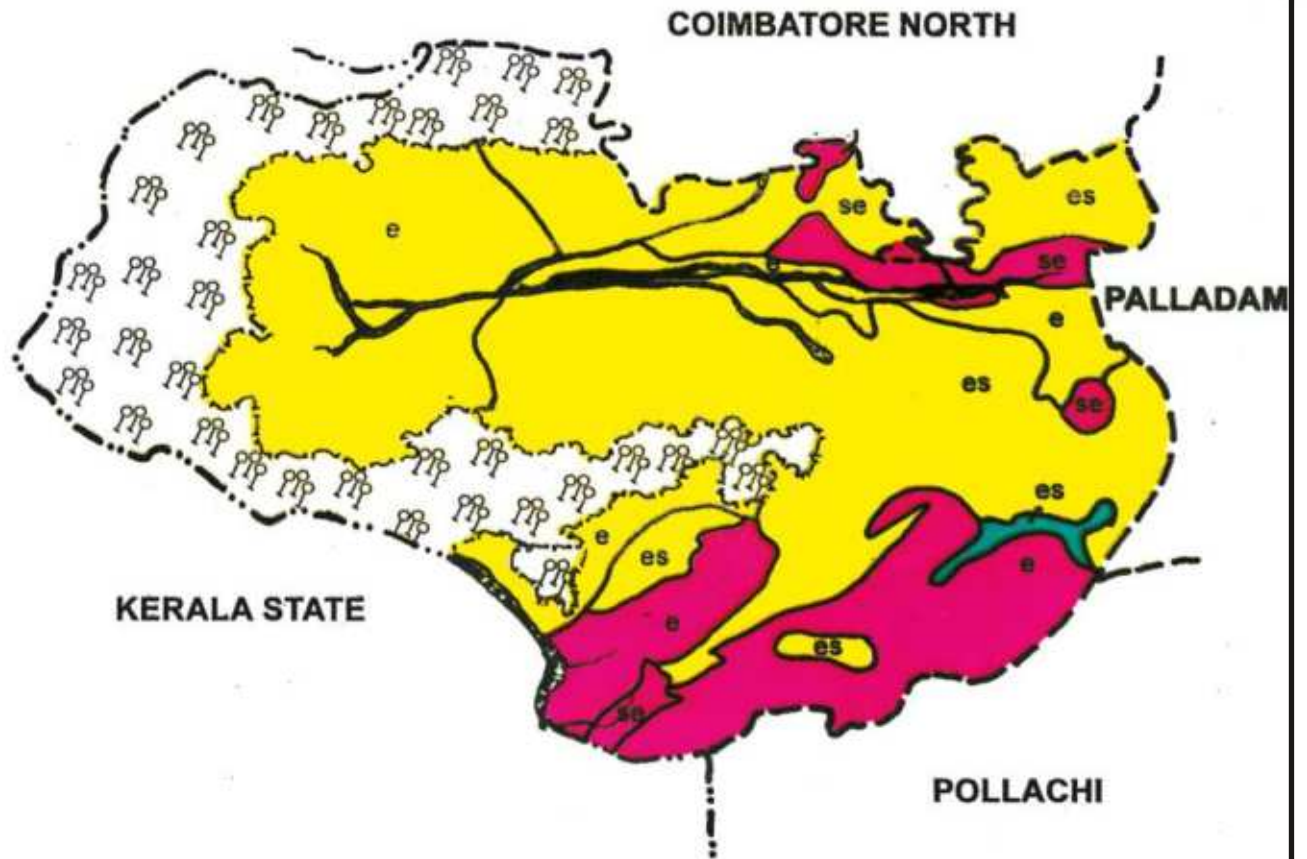
s - soil problem

w - wetness

e - erosion

LAND CAPABILITY

COIMBATORE SOUTH TALUK



REFERENCE

- District boundary -----
- Taluk boundary - - - - -
- Rivers & Gully
- Forest boundary

LEGEND

CLASS	SUB - CLASS
	GOOD CULTIVABLE LAND
	MODERATELY GOOD CULTIVABLE LAND
	FAIRLY GOOD CULTIVABLE LAND
	e - EROSION
	s - SOIL LIMITATIONS

LAND IRRIGABILITY

COIMBATORE SOUTH TALUK

Area (ha)	Irrigability classification	Soil series	Limitation
25,912	2 s	Palathurai	Presence of kankar nodules in the solum
10,401	2 t	Somayyanur	Topography and run off
2,372	2 d	Noyyal	Stratification of layers
2,007	2d	Vellalur	Moderate permeability and drainage
11,314	3 ts	Pichanur	Topography and run off, coarse texture
3,285	3 ds	Pilamedu	Poor drainage and soil alkalinity
913	3 ts	Chavadiparai	Topography and coarse texture
1,095	4 st	Okkilipalayam	Shallow depth and more of Ca CO ₃ , topography

LEGEND

CLASS

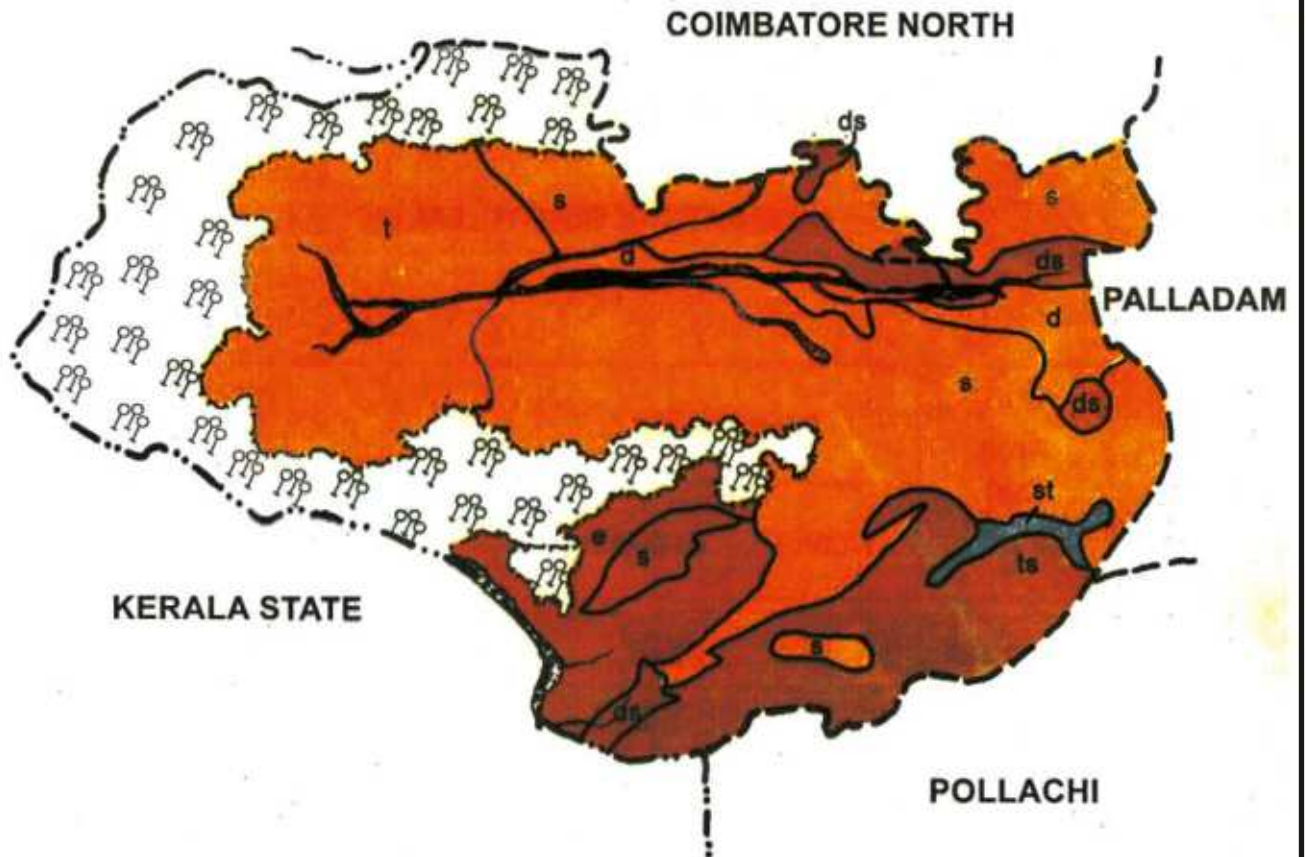
- 2 - Lands that have moderate soil limitations for sustained use under irrigation
- 3 - Lands that have severe soil limitations for sustained use under irrigation.
- 4 - Lands that are marginal for sustained use under irrigation

SUB CLASS

- t - topography
- s - soil problem
- d - drainage

LAND IRRIGABILITY

COIMBATORE SOUTH TALUK



REFERENCE

- District boundary
- Taluk boundary
- Rivers & Gully
- Forest boundary

LEGEND

- | CLASS | SUB - CLASS |
|-------|-------------------------|
| | MODERATE LIMITATIONS |
| | SEVERE LIMITATIONS |
| | VERY SEVERE LIMITATIONS |

- s - SOIL LIMITATIONS
- t - TOPOGRAPHY
- d - DRAINAGE

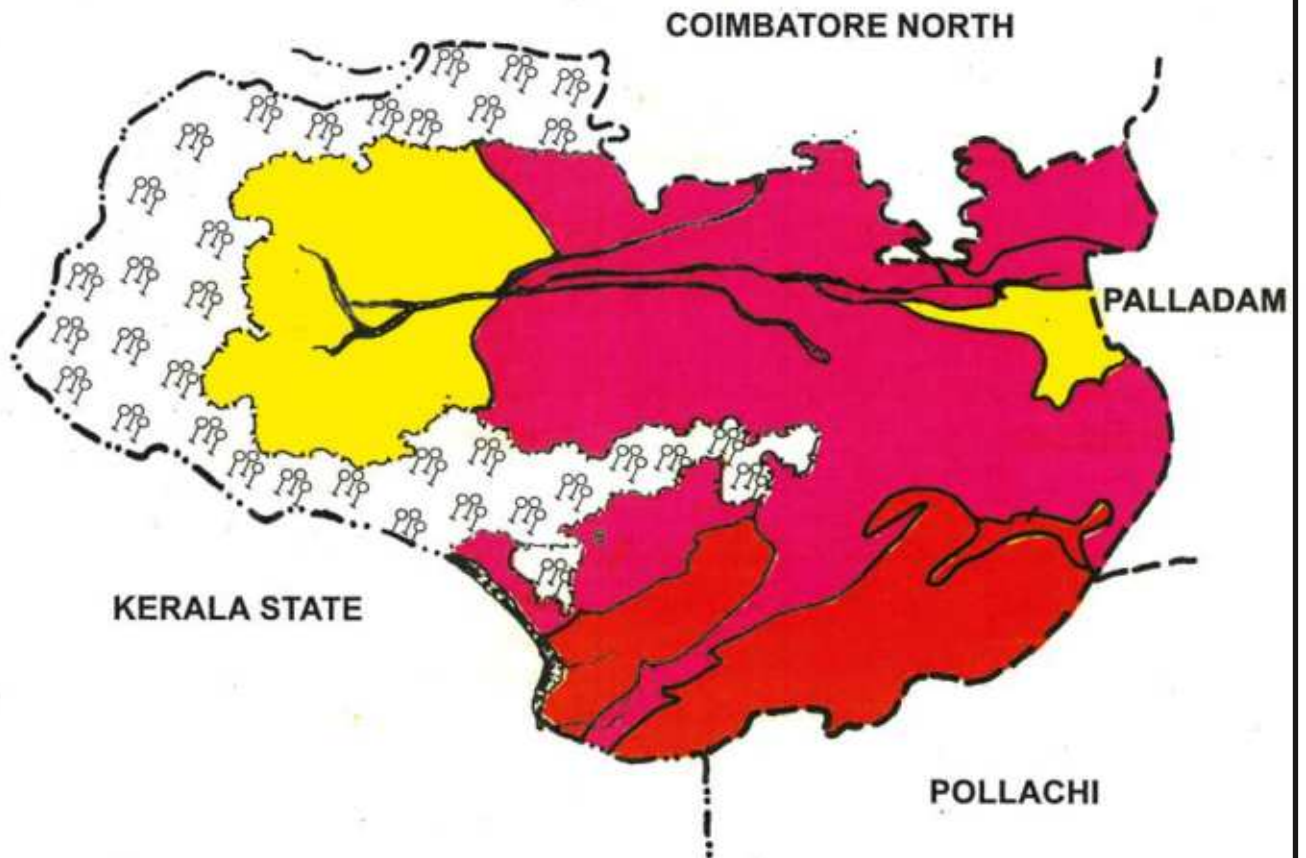
SOIL PRODUCTIVITY

COIMBATORE SOUTH TALUK




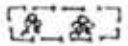
Area (ha)	Productivity		Soil series
	Rating	Grouping	
12,409	8 - 19	Poor	Okkilipalayam Pichanur
32,482	20 - 34	Average	Chavadiparai, Pilamedu, Palathurai, Noyyal
12,408	35 - 64	Good	Somayyanur Vellalur

SOIL PRODUCTIVITY

COIMBATORE SOUTH TALUK



REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

LEGEND

CLASS

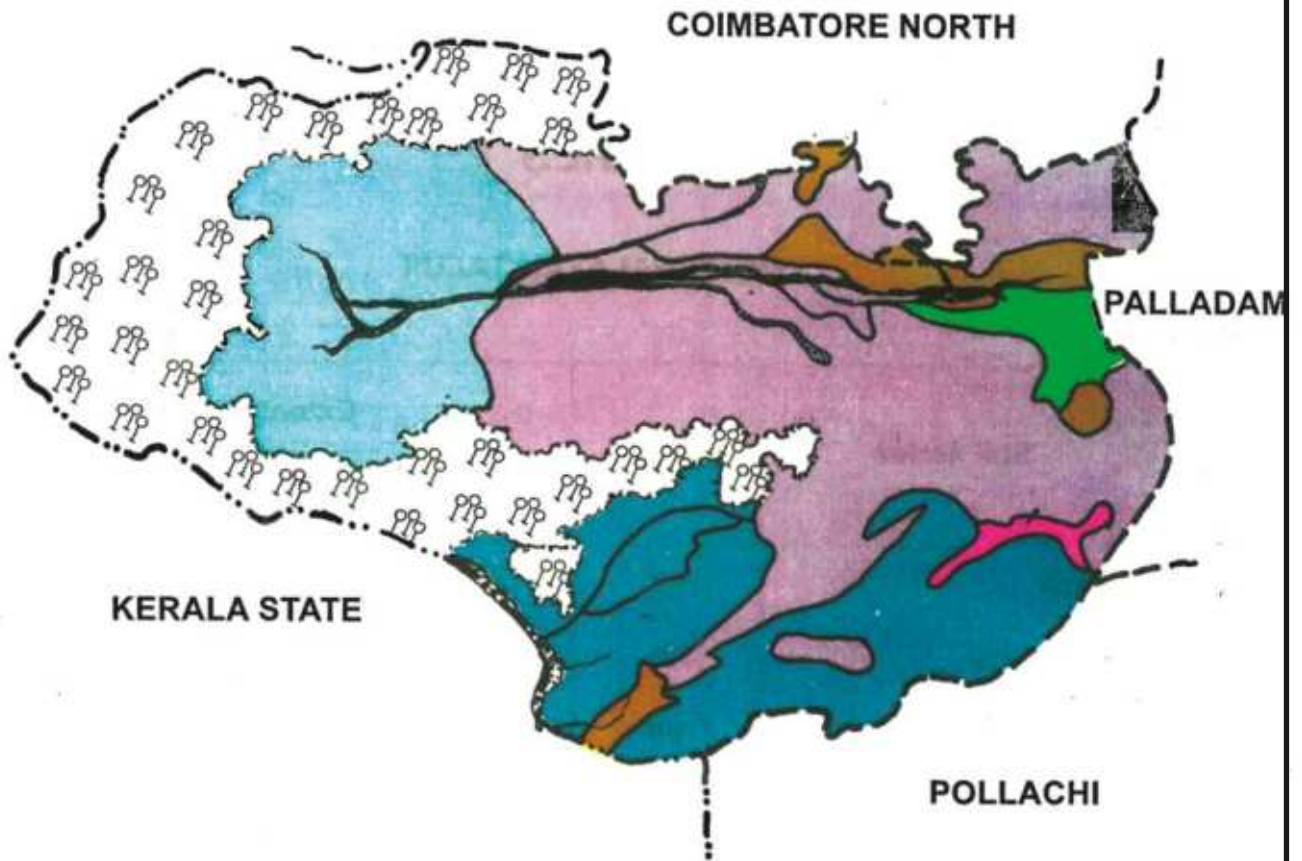
-  GOOD
-  POOR
-  AVERAGE

CROPS GROWN


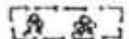
COIMBATORE SOUTH TALUK

Soil series	Map symbol	Crops grown	
		Rainfed	Irrigated
Noyyal	1	—	Sugarcane, Paddy, Turmeric, Coconut.
Palathurai	2	Sorghum	Ragi, Cotton, paddy, Chillies, Flowers
Somayyanur	3	Sorghum, Tapioca, Groundnut.	Sugarcane, paddy Cotton, Groundnut.
Pichanur	4	Sorghum, Pulses	Paddy, Ragi
Chavadiparai	5	Sorghum, Pulses.	Paddy, Ragi
Okkilipalayam	6	Sorghum, Horsegram, Other pulses.	Paddy, Banana, Betal-vine, Coconut.
Vellalur	7	Sorghum, Minor millets, Groundnut.	Cotton, Maize
Pilamedu	8	Sorghum, Minor Millets, Bengalgram.	Cotton, Sorghum, Maize, Tomato.

CROPS GROWN COIMBATORE SOUTH TALUK



REFERENCE

- District boundary - - - - -
- Taluk boundary - - - - -
- Rivers & Gully 
- Forest boundary 

LEGEND

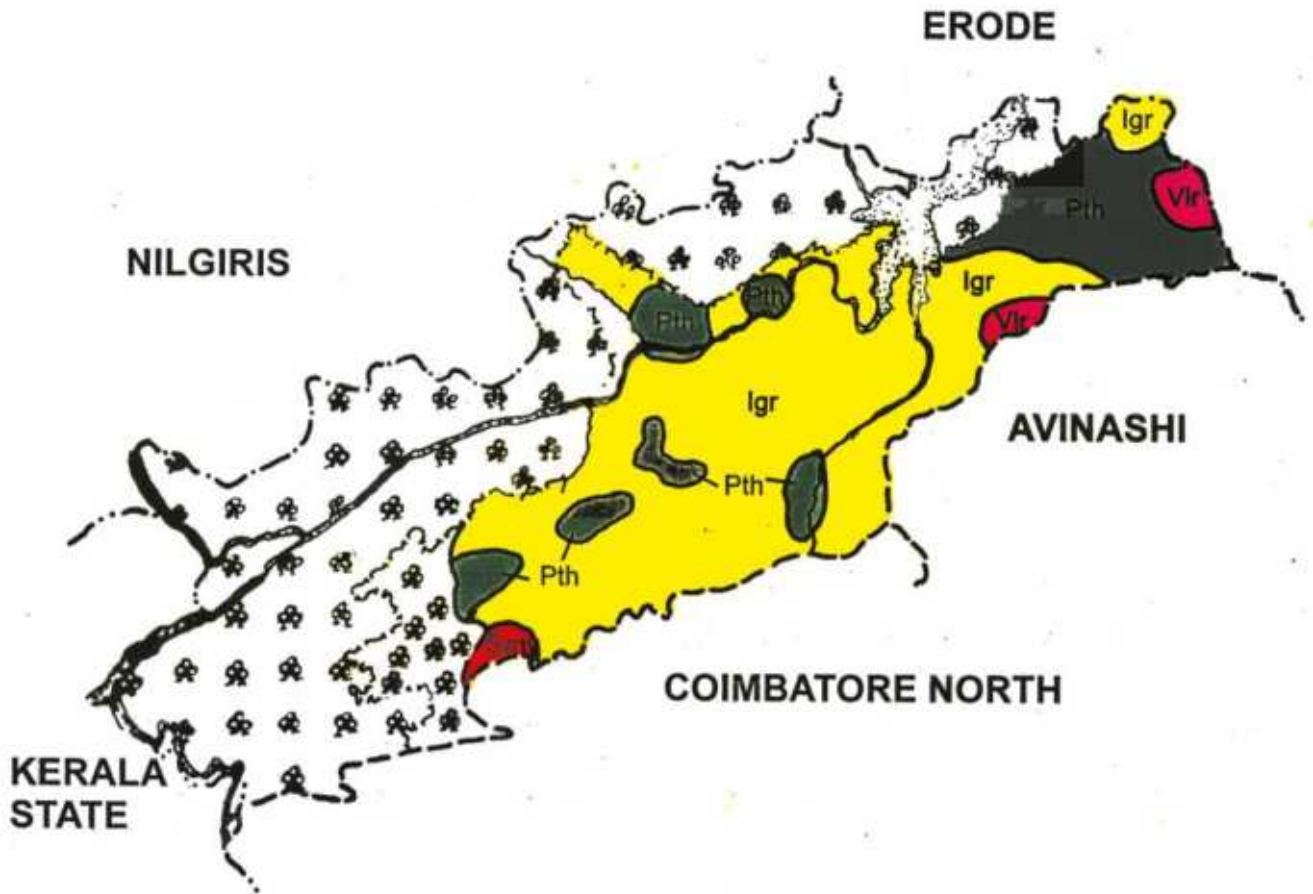
- | | | | |
|---|-----|---|-----|
|  | - 1 |  | - 6 |
|  | - 2 |  | - 7 |
|  | - 3 |  | - 8 |

SOILS

METTUPALAYAM TALUK

Soil series	Symbol	Extent	
		ha	%
Irugur	Igr	25,543	39.57
Palathurai	Pth	7,859	12.18
Vellalur	Vir	1,404	2.18
Somayyanur	Smy	842	1.30
Forests, tanks etc.,		28,897	44.77
Total		64,545	100.00

SOILS METTUPALAYAM TALUK



REFERENCE

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

LEGEND

- | | | | |
|--|------------|--|------------|
| | PALATHURAI | | SOMAYYANUR |
| | VELLALUR | | IRUGUR |

Village wise fertility status and soil series

METTUPALAYAM TALUK

Name of the village	Fertility status (kg / ac)			Dominant soil series
	Nitrogen	Phosphorous	Potassium	
1. Belladi	74	9	191	Igr, Pth
2. Chikkathasampalayam	77	10	225	Igr
3. C. Kallipatti	69	10	218	Pth, Igr
4. Idayampalayam	73	9	282	Igr
5. Illupanatham	62	9	255	Igr
6. Irumborai	67	11	247	Igr, Pth
7. Kalampalayam	67	10	203	Igr, Pth
8. Karamadai	75	11	274	Igr
9. Kembarampalayam	68	8	185	Igr, Pth

Name of the village		Fertility status (kg / ac)			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
10.	Maruthur	71	10	277	Igr
11.	Muduthurai	62	9	204	Pth
12.	Nellithurai	70	11	258	Reserved forests
13.	Odanthurai	76	9	264	Pth, Reserved forests
14.	Sikkarasampalayam	70	9	244	Igr, Pth
15.	Sirumugai	61	11	260	Igr
16.	Thekkampatti	11	69	280	Igr
17.	Tholampalayam	73	10	266	Reserved forests
18.	Velliyankadu	76	8	236	Reserved forests, Igr

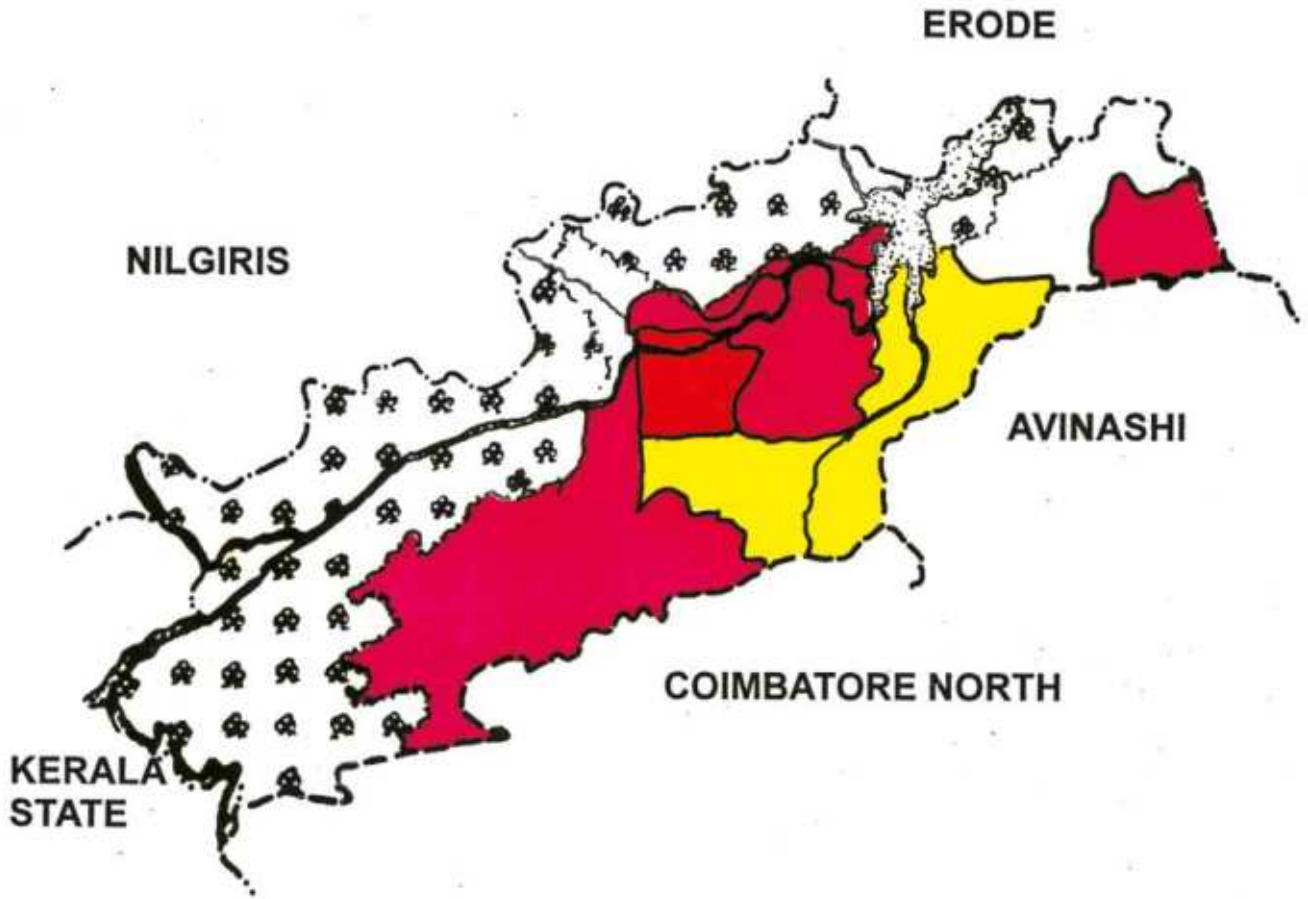
WATER QUALITY

METTUPALAYAM TALUK

S.No.	GeoChemical type	No. of Village
1.	Calcium Chloride	—
2.	Calcium Bicarbonate	5
3.	Sodium Chloride	8
4.	Sodium Bicarbonate	2
	Total	15



WATER QUALITY METTUPALAYAM TALUK



REFERENCE

State boundary	-----
District boundary
Taluk boundary	—————
Rivers & Gully	
Forest boundary	

LEGEND

	CALCIUM BICARBONATE
	SODIUM BICARBONATE
	SODIUM CHLORIDE

LAND CAPABILITY

METTUPALAYAM TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
842	II e	Somayyanur	Erosion and runoff	Soil and water conservation
1,404	II e	Vellalur	Erosion	Soil conservation, growing selected crops
7,859	II es	Palathurai	Erosion, presence of kankar in the solum.	Soil conservation, selection of crops
25,543	III es	Irugur	Erosion, medium soil depth, more of gravels	Soil and water conservation selection of crops

LEGEND

CLASS

II - Lands that have moderate limitations for sustained use under irrigation.

III - Lands that have severe limitations for sustained use under irrigation.

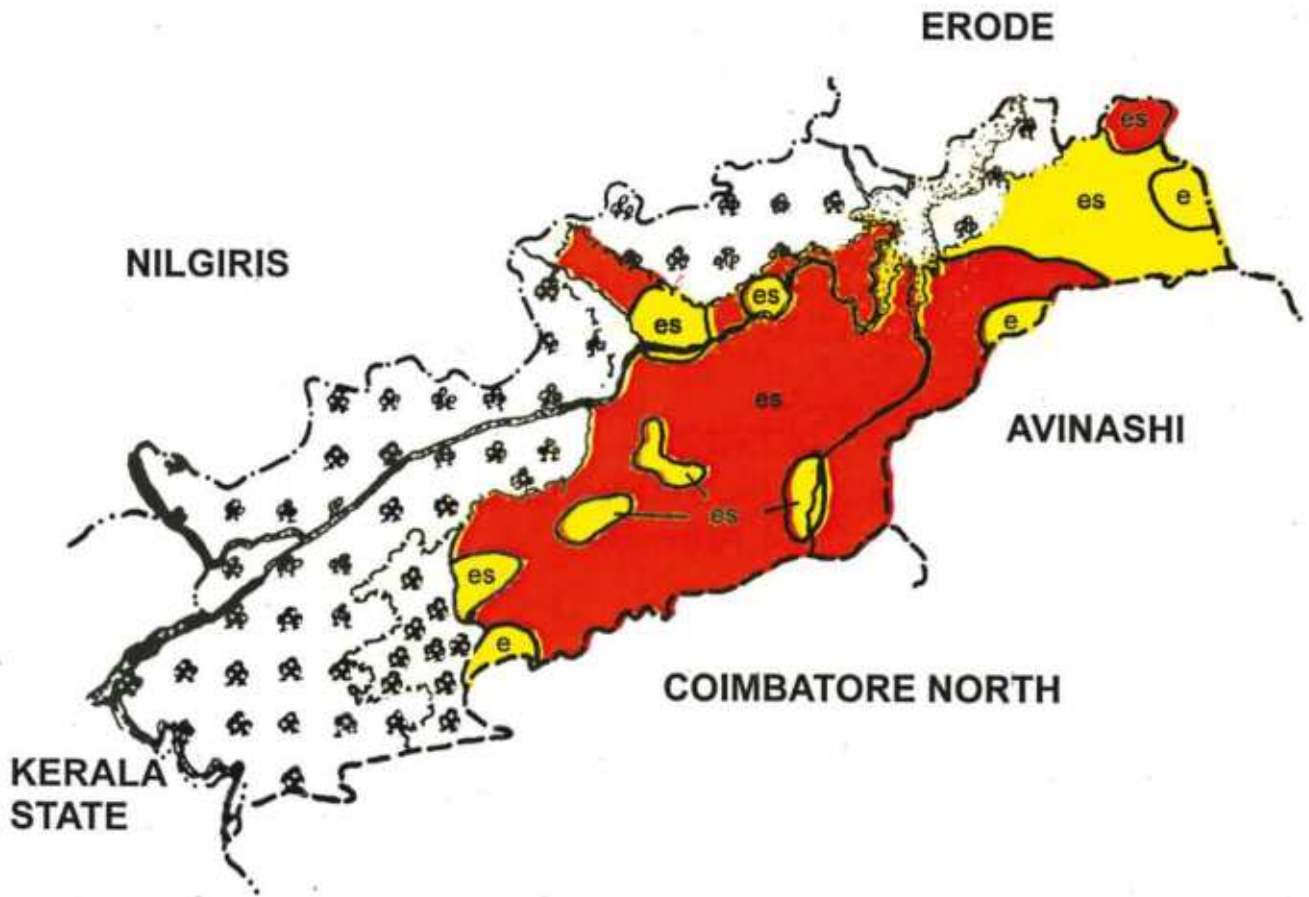
SUBCLASS

t - topography

s - soil problem





LAND CAPABILITY METTUPALAYAM TALUK



REFERENCE

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

LEGEND

CLASS	SUB CLASS
 GOOD CULTIVABLE LAND	e - EROSION
 MODERATELY GOOD CULTIVABLE LAND	s - SOIL LIMITATIONS

LAND IRRIGABILITY

METTUPALAYAM TALUK

Area (ha)	Irrigability classification	Soil series	Limitation
842	2t	Somayyanur	Topography and runoff
1,404	2d	Vellalur	Moderate permeability and drainage
7,859	2s	Palathurai	Presence of kankar nodules in the solum
25,543	3st	Irugur	Presence of quartz gravels, moderate soil depth and topography

LEGEND

CLASS

2 - Land that have moderate soil limitations for sustained use under irrigation.

3- Lands that have severe soil limitations for sustained use under irrigation.

4 - Lands that are marginal for sustained use under irrigation.

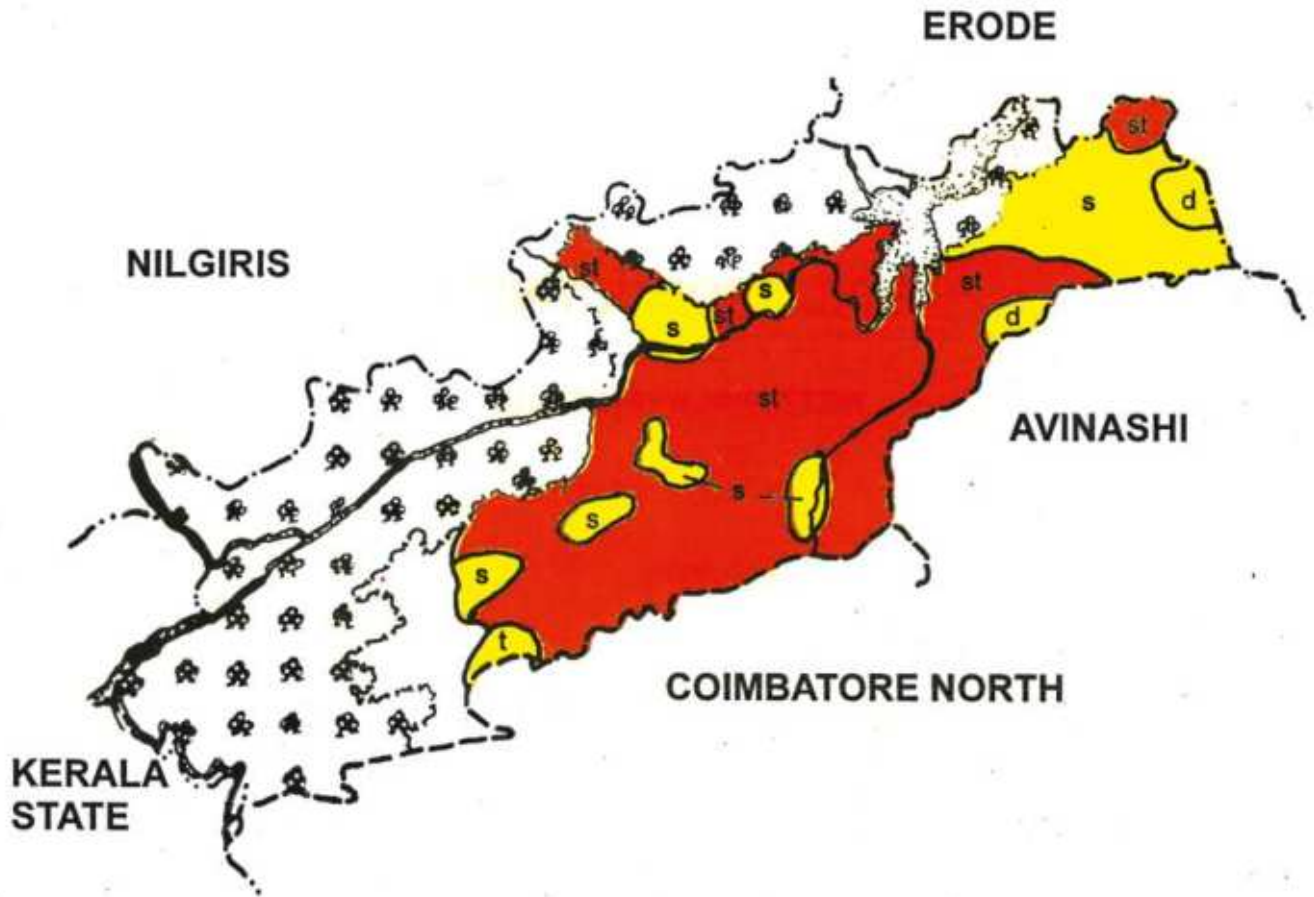
SUB CLASS

t - topography

s - soil problem

d - drainage

LAND IRRIGABILITY METTUPALAYAM TALUK



REFERENCE

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

LEGEND

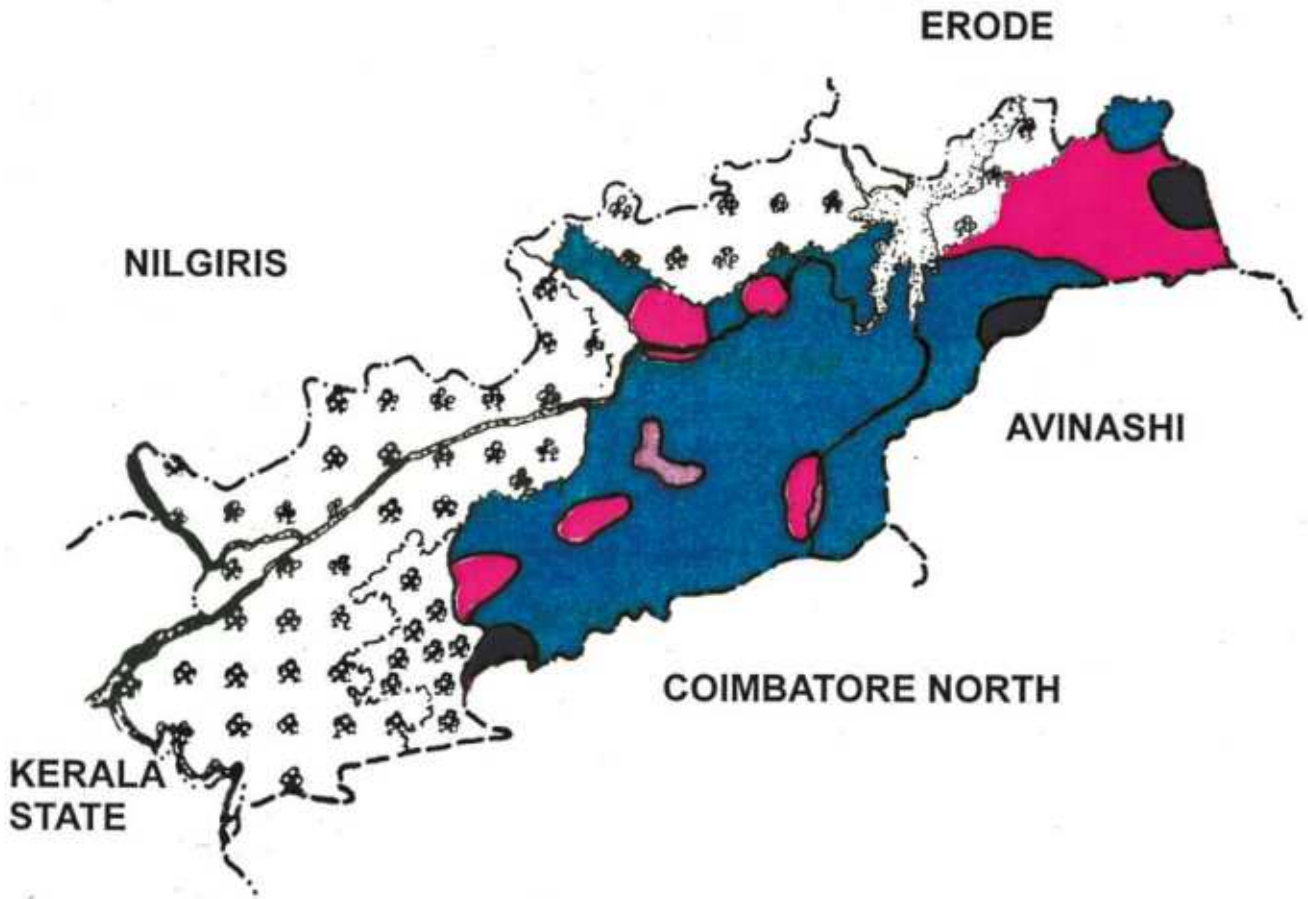
CLASS	SUB CLASS
MODERATE LIMITATIONS	s - SOIL LIMITATIONS
SEVERE LIMITATIONS	t - TYPOGRAPHY
	d - DRAINAGE

SOIL PRODUCTIVITY

METTUPALAYAM TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
25,543	8 - 19	Poor	Irugur
7,859	20 - 34	Average	Palathurai
2,246	35 - 64	Good	Vellalur Somayyanur

SOIL PRODUCTIVITY METTUPALAYAM TALUK



REFERENCE

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

LEGEND

- GOOD
- POOR
- AVERAGE

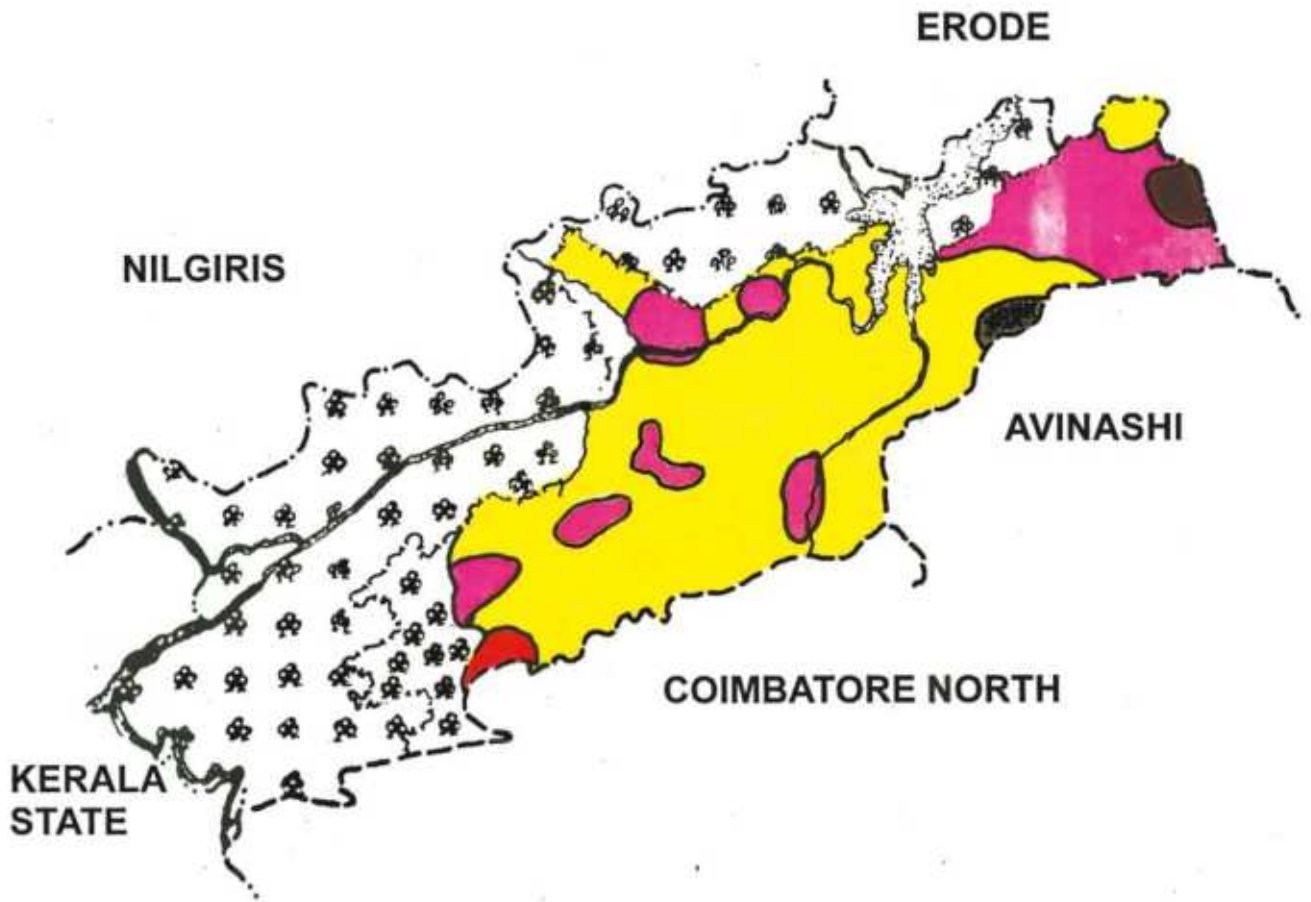
CROPS GROWN

METTUPALAYAM TALUK





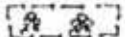
Soil series	Map symbol	Crops grown	
		Rainfed	Irrigated
Vellalur	1	Sorghum, Groundnut, Pulses, Tapioca.	Maize, Sorghum, Onion, Ragi, Cumbu.
Irugur	2	Groundnut, Sorghum, Pulses.	Cotton, Chillies, Maize, Turmeric, Tobacco.
Palathurai	3	Sorghum, Groundnut, Pulses, Arecanut.	Cotton, Ragi, Paddy, Cumbu.
Somayyanur	4	Sorghum, Cumbu, Tapioca, Pulses.	Cotton, Ragi, Cumbu, Chillies.





CROPS GROWN METTUPALAYAM TALUK



REFERENCE

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

LEGEND

-  - 1
-  - 2
-  - 6
-  - 9

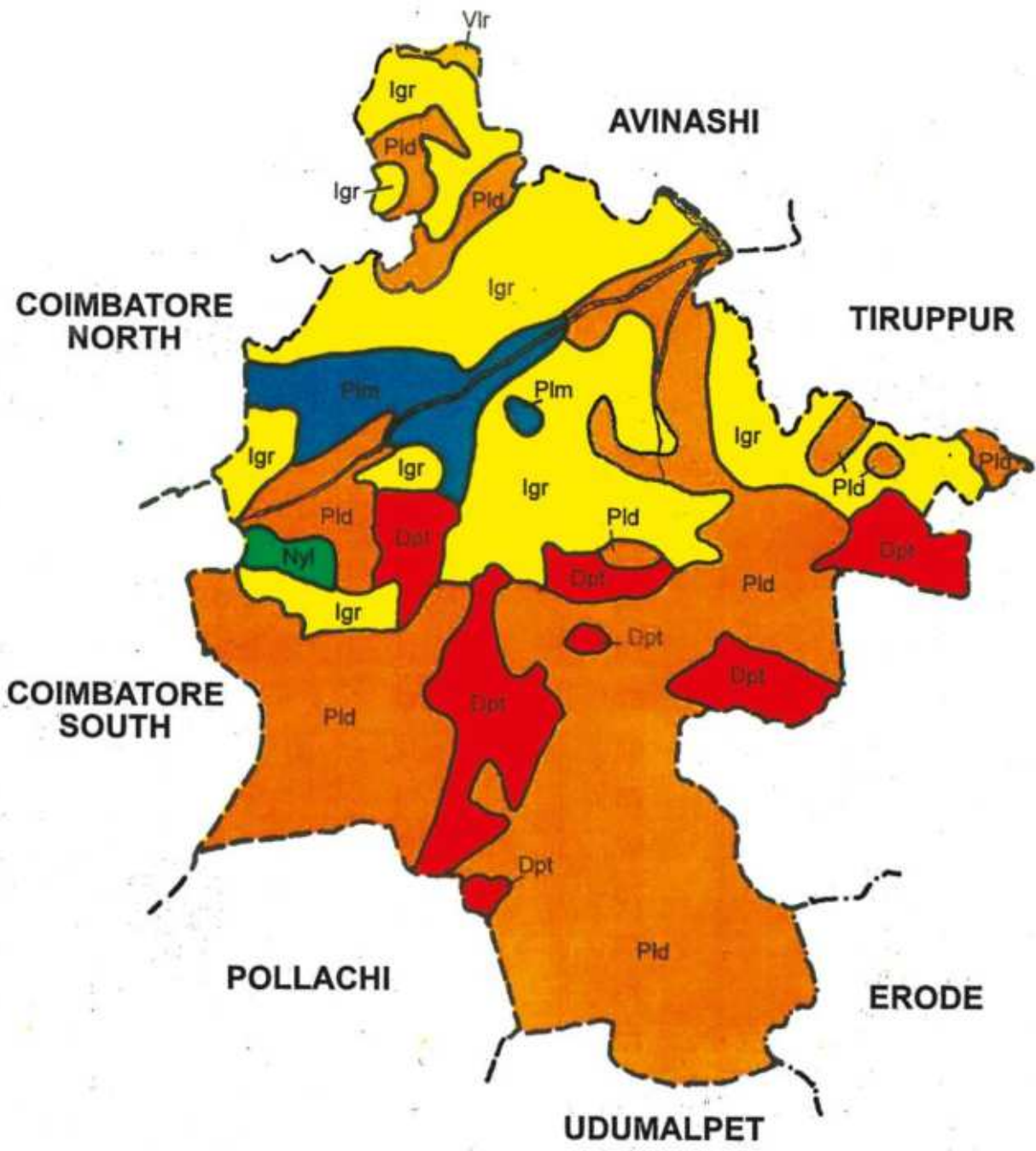
SOILS

PALLADAM TALUK




Soil series	Symbol	Extent	
		ha	%
Palladam	Plid	44,023	49.88
Irugur	Igr	29,568	33.00
Dasarapatti	Dpt	9,856	11.66
Pilamedu	Plm	3,285	3.72
Noyyal	Nyl	1,095	1.24
Vellalur	Vlr	438	0.50
Total		88,265	100.00



SOILS PALLADAM TALUK



REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

LEGEND

- | | | | |
|---|----------|---|-------------|
|  | NOYYAL |  | DASARAPATTI |
|  | VELLALUR |  | PILAMEDU |
|  | IRUGUR |  | PALLADAM |

Village wise fertility status and soil series

PALLADAM TALUK

Name of the village		Fertility status (kg / ac)			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
1.	Appanaickenpatti	70	11	246	Pld
2.	Arasur	75	10	266	Igr, Plm
3.	Cittampalayam	75	12	301	Pld, Opt
4.	Edayarpalayam	65	12	300	Pld
5.	Ganapathipalayam	65	9	312	Igr, Pld
6.	Giddampalayam	75	9	340	Igr, Pld
7.	Irgur	77	12	313	Igr
8.	Jallipatti	78	9	310	Pld
9.	J. Krishnapuram	74	11	282	Pld
10.	Kadampadi	67	11	325	Igr, Pld
11.	Kaduvettipalayan	67	12	286	Igr, Ulr
12.	Kalangal	75	11	210	Dpt, Igr
13.	Kallapalayam	67	10	222	Pld
14.	Kammalapatti	73	10	253	Pld
15.	Kangayampalayam	72	9	321	Igr, Plm
16.	Kaniyur	73	12	373	Igr
17.	Kannampalayam	72	11	270	Pld, Dpt
18.	Karaipudur	76	9	325	Igr, Pld
19.	Karavalimathapur	94	8	249	Igr
20.	Karumathampatti	72	9	271	Igr
21.	Kumarapalayam	74	12	280	Pld
22.	Malaiyandipalayam	63	12	254	Pld
23.	Mopiripalayam	75	13	255	Igr, Pld
24.	M. Ayyampalayam	65	11	286	Igr, Pld
25.	Naranapuram	72	11	286	Igr, Pld

Name of the village	Fertility status (kg / ac)			Dominant soil series
	Nitrogen	Phosphorous	Potassium	
26. Neelambur	75	10	284	Plm, Igr
27. Oddarpalayam	65	9	213	Nyl, Pld
28. Pachapalayam	65	10	222	Pld
29. Paduvampalli	70	11	259	Igr
30. Palladam	68	9	282	Pld
31. Pappampatti	85	14	289	Pld
32. Pattinam	71	11	289	Pld, Igr
33. Peedampalli	66	9	235	Igr, Pld
34. Pogampatti	72	10	271	Pld
35. Pumalur	65	11	258	Pld, Igr
36. Purandampalayam	69	10	284	Pld
37. Rasipalayam	78	11	263	Plm, Igr
38. Samalapuram	66	9	259	Igr, Pld
39. Sellakaraichal	71	10	250	Dpt, Pld
40. Semmandampalayam	73	11	276	Igr
41. Sencheriputhur	87	10	285	Pld
42. Sular	65	9	286	Plm, Igr
43. Thalakkurai	79	17	276	Pld
44. Vadugapalayam	68	12	259	Pld, Dpt
45. Vadampacheri	74	7	281	Pld
46. Vadavalli	67	11	268	Pld, Dpt
47. Vadavedampatti	68	10	272	Pld
48. Varapatti	77	10	273	Pld
49. Velampalayam	80	8	352	Igr, Pld

LAND CAPABILITY

PALLADAM TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
438	II e	Vellalur	Erosion	Soil conservation and selection of crops
1,095	II w	Noyyal	Soil wetness	Selection of crops
3,285	III se	Pilamedu	Heavy texture moderate alkalinity, sheet erosion	Selection of crops and soil conservation
9,856	III se	Dasarapatti	Heavy texture, alkalinity, erosion	Selection of crops
29,568	III es	Irugur	Erosion, medium soil depth, more of gravels	Soil and water conservation selection of crops
44,023	IV es	Palladam	Erosion, coarse texture, shallow depth.	Soil and water conservation, pasture development

LEGEND

CLASS

II - Lands that have moderate limitations for sustained use under agriculture.

III - Lands that have severe limitations for sustained use under agriculture.

IV - Lands that have very severe limitations for agriculture and required careful management

SUB CLASS

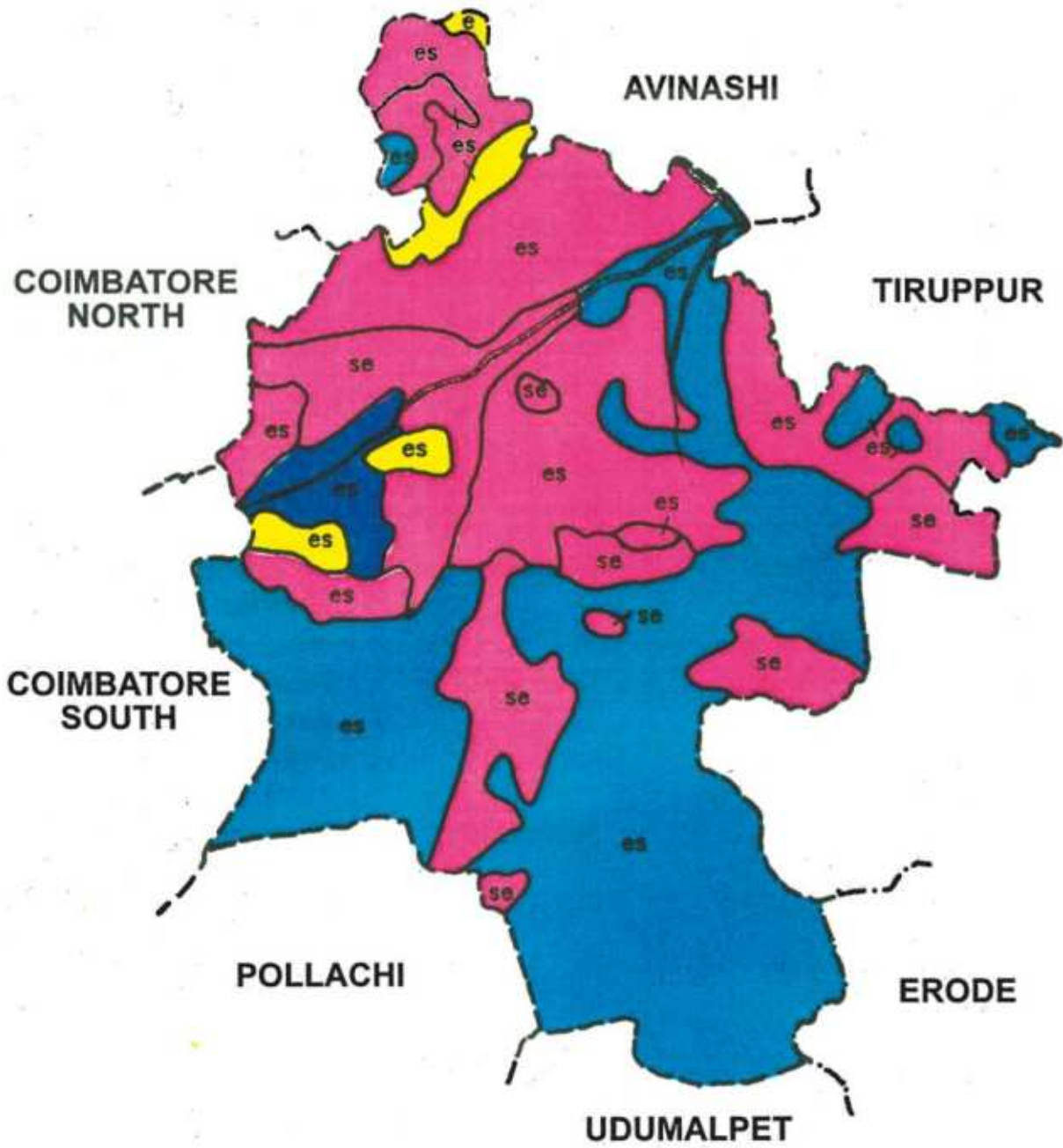
e - erosion

s - soil problem




w - wetness






LAND CAPABILITY PALLADAM TALUK



REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

LEGEND

CLASS	SUB CLASS
 GOOD CULTIVABLE LAND	e - EROSION
 MODERATELY GOOD CULTIVABLE LAND	s - SOIL LIMITATIONS
 FAIRLY GOOD CULTIVABLE LAND	

LAND IRRIGABILITY

PALLADAM TALUK

Area (ha)	Irrigability classification	Soil series	Limitation
1,095	2 d	Noyyal	Stratification of layers
438	2d	Vellalur	Moderate permeability and drainage
29,568	3 st	Irugur	Presence of quartz gravels, moderate soil depth, topography
3,285	3 ds	Pilamedu	Poor drainage, and Soil alkalinity
9,856	4 ds	Dasarapatti	Poor drainage, alkalinity, presence of Gypsum.
44,023	4 st	Palladam	Shallow depth and more of Ca CO ₃ , Topography.

LEGEND

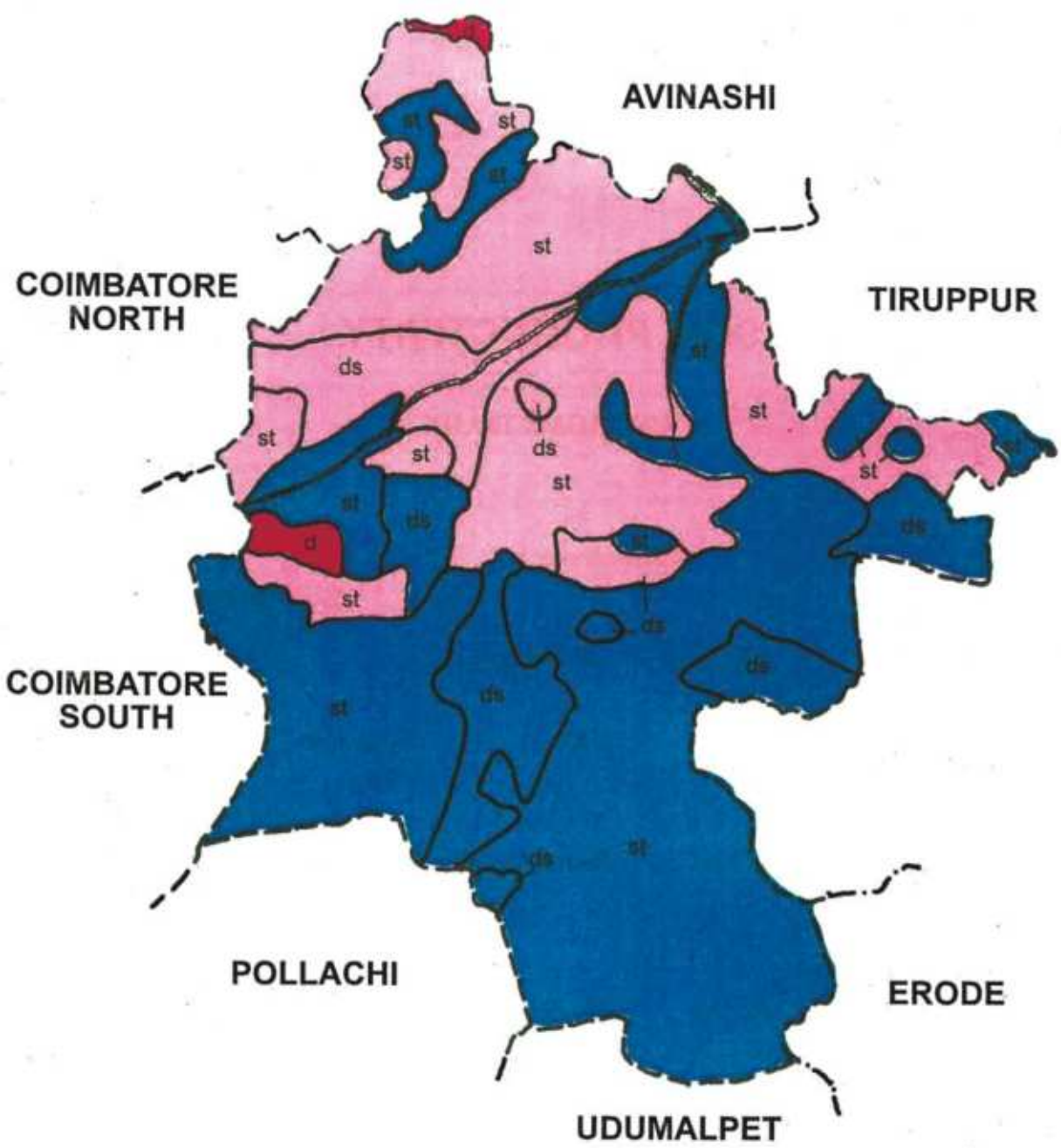
CLASS

- 2 - Lands that have moderate soil limitations for sustained use under irrigation.
- 3 - Lands that have severe soil limitations for sustained use under irrigation.
- 4 - Lands that are Marginal for sustained use under irrigation.

SUB CLASS

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

LAND IRRIGABILITY PALLADAM TALUK



REFERENCE

- District boundary -----
- Taluk boundary _____
- Rivers & Gully

LEGEND

CLASS	SUB CLASS
	MODERATE LIMITATIONS
	SEVERE LIMITATIONS
	VERY SEVERE LIMITATIONS

SUB CLASS
s - SOIL LIMITATIONS
t - TOPOGRAPHY
d - DRAINAGE

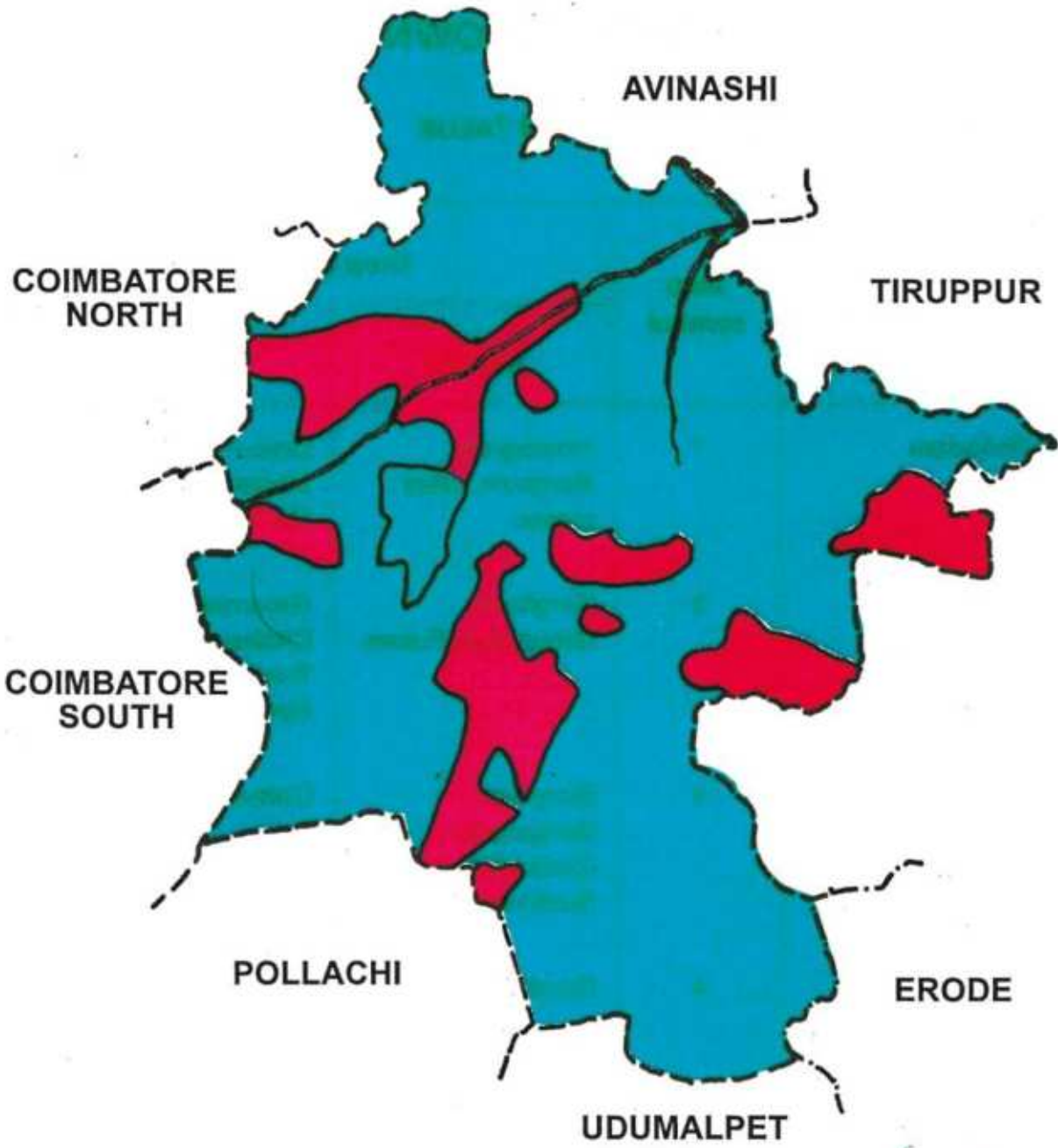
SOIL PRODUCTIVITY

PALLADAM TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
73,591	8 - 19	Poor	Palladam Irugur
14,236	20 - 34	Average	Dasarapatti Noyyal Pilamedu
438	35 - 64	Good	Vellalur



SOIL PRODUCTIVITY PALLADAM TALUK



REFERENCE

- District boundary -----
- Taluk boundary - - - - -
- Rivers & Gully

LEGEND

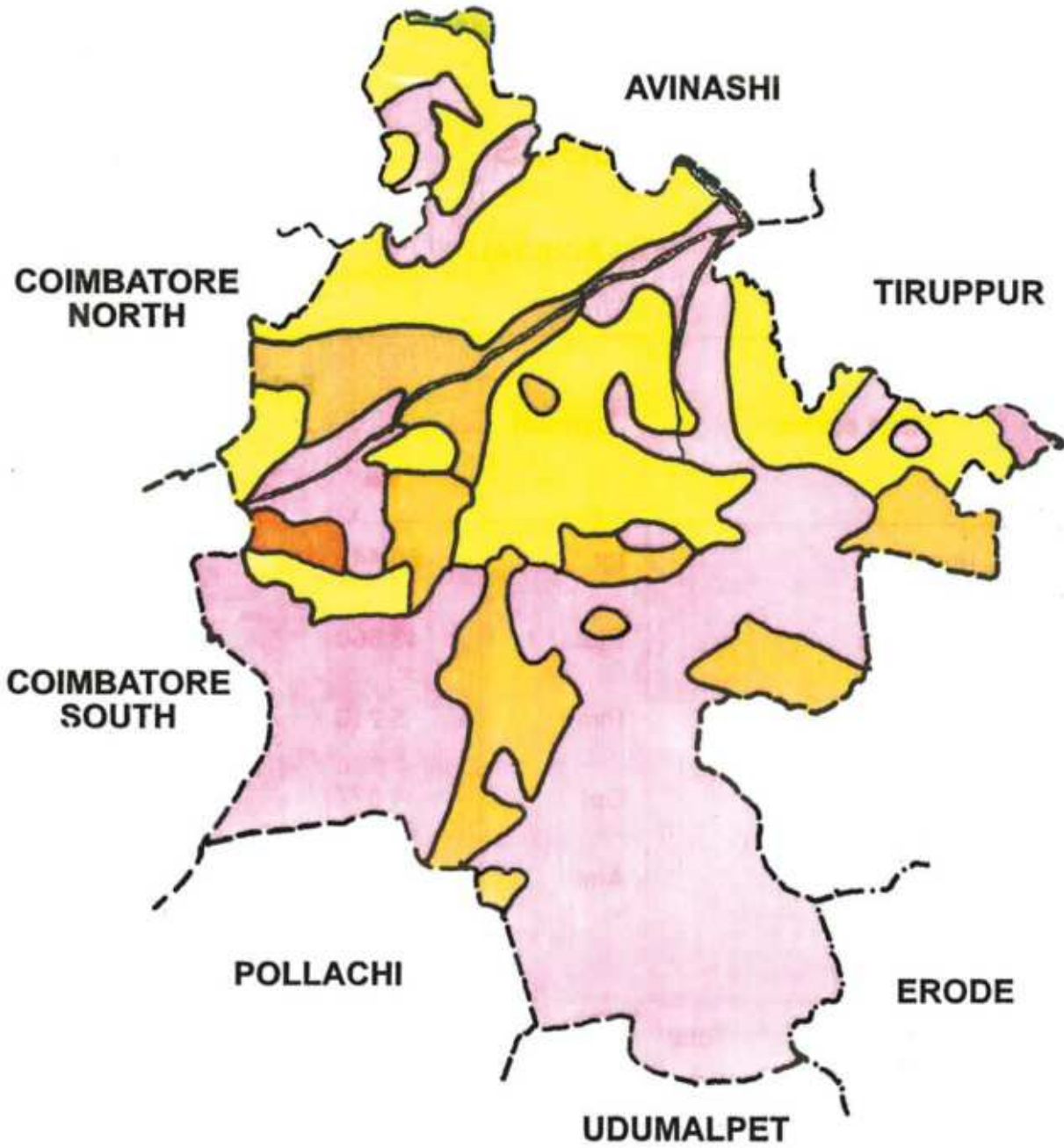
- AVERAGE
- POOR

CROPS GROWN




PALLADAM TALUK

Soil series	Map symbol	Crop grown	
		Rainfed	Irrigated
Palladam	1	Horsegram, Sorghum, other pulses	Onion, Tobacco, Maize, Sorghum, Cumbu, Tapioca
Irugur	2	Sorghum, Groundnut, Pulses.	Groundnut, Cotton, Chillies, Onion, Turmeric, Cumbu, Sorghum.
Dasarapatti	3	Sorghum, Bengalgram, Coriander, Sunflower	Cotton, Ragi.
Pilamedu	4	Sorghum, Pulses	Cotton, Sugarcane, Maize.
Noyyal	5	—	Sugarcane, Paddy, Banana, Coconut, Betelvine.
Vellalur	6	Sorghum, Pulses, Groundnut, Tapioca	Maize, Sorghum, Groundnut, Cotton






CROPS GROWN PALLADAM TALUK



REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

LEGEND

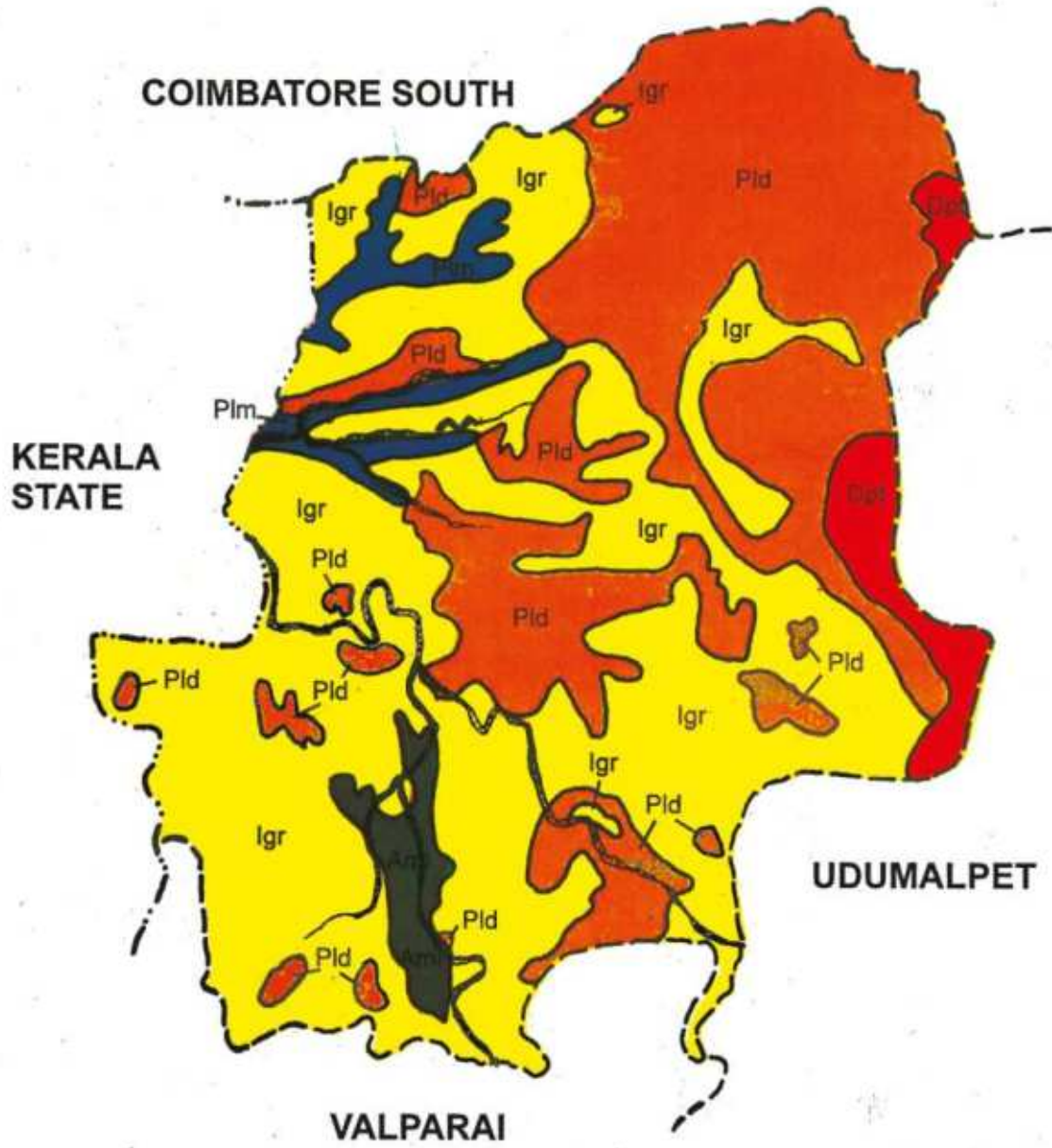
	- 3		- 9
	- 6		- 10
	- 7		- 5

SOILS

POLLACHI TALUK

Soil series	Symbol	Extent	
		ha	%
Irugur	Igr	60,442	51.84
Palladam	Pld	43,560	37.35
Pilamedu	Plm	5,210	4.47
Dasarapatti	Dpt	4,377	3.76
Anamalai	Aml	2,918	2.50
Forests		96	0.08
Total		1,16,603	100.00

SOILS POLLACHI TALUK



REFERENCE

- State boundary -----
- Taluk boundary - . - . - .
- Rivers & Gully

LEGEND

- | | | | |
|-----|----------|-----|-------------|
| Igr | IRUGUR | Das | DASARAPATTI |
| Anm | ANAMALAI | Pil | PILAMEDU |
| Pld | PALLADAM | | |

Village wise fertility status and soil series

POLLACHI TALUK

Name of the village		Fertility status (kg/ac)			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
1.	Achipatti	53	12	194	Pld, lgr
2.	Ambarampalayam	63	12	331	lgr
3.	A - Nagur	59	10	300	Pld
4.	Anamalai	73	11	215	lgr, Aml
5.	Andipalayam	62	10	193	Pld
6.	Angalakurichi	67	16	326	lgr
7.	Arasampalayam	71	8	235	Pld
8.	Arthanaripalayam	89	18	234	lgr
9.	Athupollachi	78	9	386	Pld
10.	Avalappampatti	67	13	145	Dpt
11.	Ayyampalayam	88	11	217	lgr
12.	Bodipalayam	76	12	195	lgr
13.	Chandrapuram	71	9	295	lgr
14.	Chettiyakkapalayam	88	9	296	Pld
15.	Chinnampalayam	60	10	286	Pld
16.	Chinnanegamam	69	9	164	Pld
17.	Chollanur	65	10	310	lgr
18.	Dhalavaipalayam	98	10	287	lgr
19.	Devambadi	71	8	312	lgr
20.	Devanampalayam	76	10	312	lgr
21.	Devarayapuram	70	9	336	Pld, lgr
22.	Erripatty	79	10	275	Pld, lgr
23.	Gollapatti	80	8	273	Dpt
24.	Gomangalam	63	10	262	Dpt
25.	Gomangalampudur	62	12	226	Dpt

	Name of the village	Fertility status			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
26.	Govindapuram	69	10	235	Igr
27.	Jallipatti	65	14	239	Pld, Igr
28.	Kabilipalayam	72	11	297	Pld
29.	Kakkadavu	51	12	262	Igr, Pld
30.	Kaliapuram	67	12	305	Aml, Igr
31.	Kallipatti	69	9	296	Dtp, Pld
32.	Kammalapatti	65	12	232	Igr
33.	Kappalagarai	62	11	312	Pld, Igr
34.	Karainchettipalayam	70	12	165	Igr, Pld
35.	Kattampatti	55	11	314	Dpt, Pld
36.	Kinathukadavu	77	11	326	Igr
37.	Kodampatti	74	10	271	Pld
38.	Kodangipalayam	65	9	246	Pld
39.	Kolarpatti	68	9	321	Igr
40.	Kondagowndampalayam	87	14	217	Dtp
41.	Kottampatti	62	10	273	Igr
42.	Kottur	65	10	154	Igr
43.	Krishnarayapuram	63	9	309	Pld
44.	Kulathur	68	10	320	Igr
45.	Kullanaickenpatti	84	10	220	Igr, Dpt
46.	Kulichettipalayam	69	10	324	Pld
47.	Kumarapalayam	77	11	286	Igr
48.	Kurumpalayam	95	14	290	Igr
49.	Kuthirayanmapalayam	63	12	264	Igr, Pld
50.	Makkinampatti	73	12	260	Igr
51.	Malayandipattinam	71	8	245	Igr
52.	Mannur	69	9	246	Igr
53.	Marichmpalayam	74	11	247	Igr, Pld
54.	Mettupalayam	59	12	250	Igr
55.	Mettuvavi	65	9	3320	Pld

	Name of the village	Fertility status			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
56.	Mulanur	64	11	291	Dpt
57.	Mullupadi	76	10	252	Pld
58.	Muthur	75	10	321	Pld
59.	Muttur	68	10	332	Igr
60.	Nallampalli	67	9	362	Igr
61.	Nallattipalayam	71	11	212	Pld
62.	Nallur	65	11	221	Igr
63.	Nalluthukuli	69	9	291	Igr
64.	Nattukalipalayam	69	11	291	Igr
65.	Nayakkanpalayam	77	10	312	Pld
66.	Odayankulam	78	10	282	Igr
67.	Okkilipalayam	76	9	327	Pld
68.	Palayur	71	9	286	Igr
69.	Panapatti	80	9	210	Pld
70.	Pelichinampalayam	73	14	344	Pld
71.	Perianegamam	79	10	300	Pld
72.	Periapothu	62	10	280	Igr
73.	Periakalanthai	102	16	246	Pld
74.	Pethanaickenur	83	18	326	Igr
75.	Pollachi	68	10	217	Pld, Igr
76.	Pottayandiporambu	68	11	312	Plm, Igr
77.	Puliampatti	68	9	282	Igr
78.	Sikkarayapauram	74	12	298	Pld
79.	Pusaripatti	54	15	180	Dpt, Pld
80.	Ramapathinam	76	13	245	Igr, Plm
81.	Rasakkapalayam	72	13	168	Igr
82.	Rasichettipalayam	74	9	217	Igr
83.	R. Ponnapuram	69	9	321	Pld
84.	Samathur	76	11	223	Igr
85.	Sandekaundampalayam	68	10	286	Igr

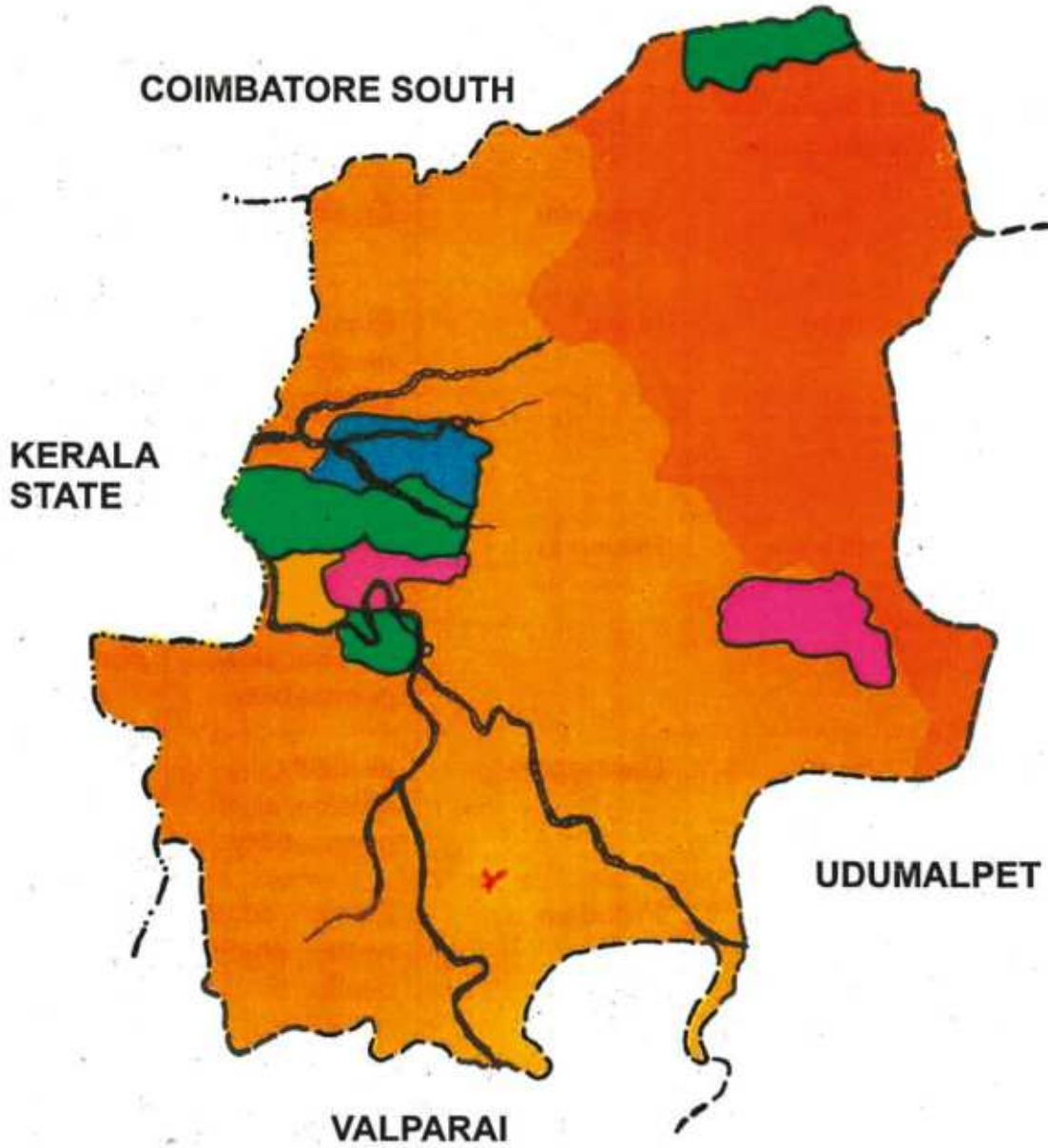
	Name of the village	Fertility status (kg/ac)			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
86.	Sangarayapuram	74	11	330	Igr, Plm
87.	Servakampalayam	75	16	225	Igr
88.	Sikkarayapuram	79	18	389	Pld, Igr
89.	Silagampatti	66	10	277	Igr
90.	Singanallur	62	12	197	Pld, Igr
91.	Sinjuvadi	56	10	292	Igr, Dpt
92.	Sirukalanthai	74	12	162	Pld
93.	Solavampalayam	72	9	215	Plm, Igr
94.	Soil palayam	71	10	269	Igr
95.	S . Ponnapuram	77	13	275	Igr
96.	Sulakkal	67	12	217	Igr, Pld
97.	Sulaswaranpatti	76	12	256	Pld
98.	Thenchittur	63	12	270	Igr
99.	Thenkumarapalayam	65	11	282	Igr
100.	Thensangampalayam	74	15	308	Igr
101.	Thensomanthurai	80	13	160	Igr
102.	Thipampatty	56	10	292	Pld, Igr
103.	Thoppampatti	78	9	286	Igr
104.	Thondamuthur	53	9	261	Igr
105.	Thuraiyur	69	10	310	Igr, Pld
106.	Unjavelanpatti	57	10	271	Pld, Igr
107.	Uthukuli	77	10	321	Pld
108.	Vadachittur	51	11	172	Pld
109.	Vadakipalayam	78	9	292	Plm
110.	Vaguthampalayam	59	12	227	Pld
111.	Vakkampalayam	64	9	341	Pld, Igr
112.	Varaganur	63	10	306	Pld, Igr
113.	Vedapudur	63	9	129	Igr
114.	Vettaikaranpurdur	68	12	241	Igr
115.	Vellalalayam	95	12	204	Pld, Igr

WATER QUALITY




POLLACHI TALUK

S.No.	GeoChemical type	No. of Village
1.	Calcium Chloride	50
2.	Calcium Bicarbonate	4
3.	Sodium Chloride	4
4.	Sodium Bicarbonate	—
	Total	58





WATER QUALITY POLLACHI TALUK



REFERENCE

- State boundary 
- Taluk boundary 
- Rivers & Gully 

LEGEND

-  CALCIUM BICARBONATE
-  CALCIUM CHLORIDE
-  SODIUM BICARBONATE
-  SODIUM CHLORIDE

LAND CAPABILITY

POLLACHI TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
2,918	II e	Anamalai	Erosion	Selection of Crops
60,442	III es	Irugur	Erosion, medium soil depth, more of gravels	Soil and water conservation, selection of crops
5,210	III se	Pilamedu	Heavy texture, moderate alkalinity, erosion, slow permeability	Selection of crops and soil conservation
4,377	III se	Dasarapatti	alkalinity, erosion, slow permeability	crops and soil conservation
43,560	IV es	Palladam	Erosion, coarse texture, shallow depth	Soil and water conservation Pasture development

LEGEND

CLASS

II - Lands that have moderate limitation for sustained use under agriculture

III - Lands that have severe limitations for sustained use under agriculture.

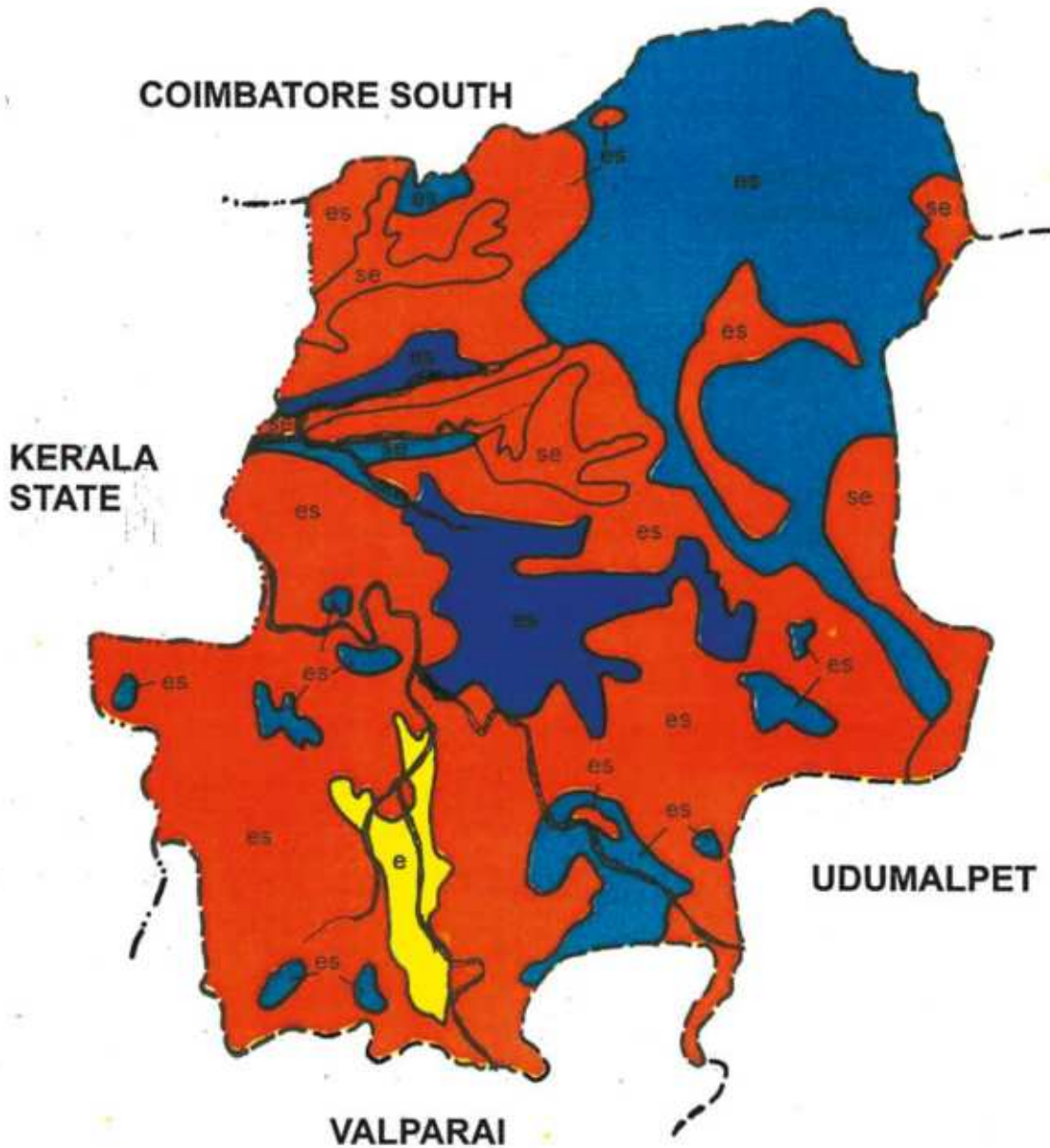
IV - Land that have very severe limitations for agriculture and require careful management.




SUB CLASS

e - Erosion

s - Soil problem

LAND CAPABILITY POLLACHI TALUK



REFERENCE	CLASS	SUB CLASS	
State boundary		GOOD CULTIVABLE LAND	e - EROSION
Taluk boundary		MODERATELY GOOD CULTIVABLE LAND	s - SOIL LIMITATIONS
Rivers & Gully		FAIRLY GOOD CULTIVABLE LAND	

LAND IRRIGABILITY

POLLACHI TALUK

Area (ha)	Irrigability classification	Soil series	Limitation
2,918	2 t	Anamalai	Topography and run off
60,442	3 st	Irugur	Presence of quartz gravels, moderate soil depth and topography
5,210	3 ds	Pilamedu	Poor drainage and soil alkalinity
43,560	4 st	Palladam	Shallow depth, more of CaCO ₃ and topography
4,377	4 ds	Dasarapatti	Poor drainage, alkalinity and presence of gypsum.

LEGEND

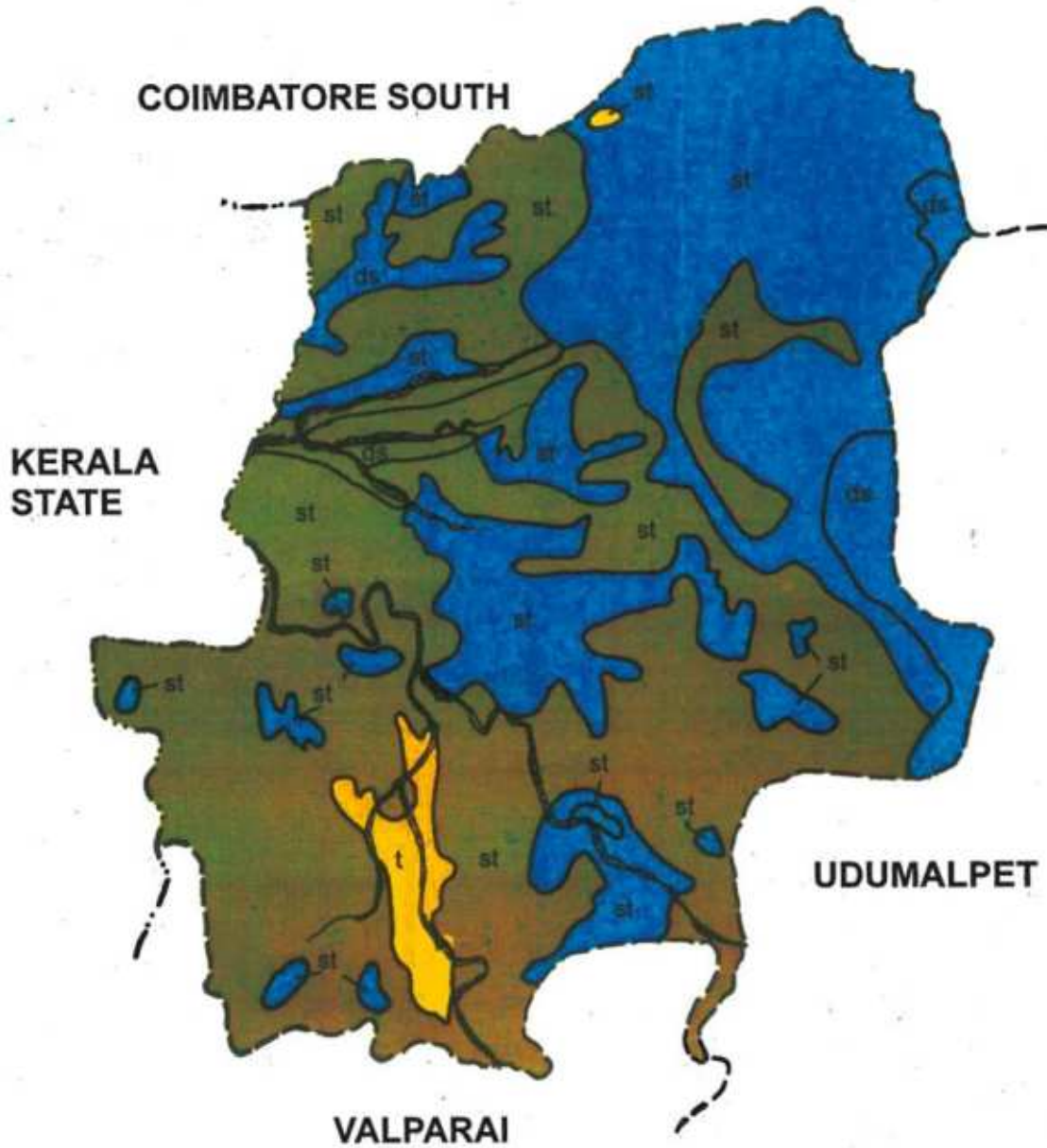
CLASS

- 2 - Land that have moderate soil limitations for sustained use under irrigation.
- 3 - Lands that have severe soil limitations for sustained use under irrigation.
- 4 - Lands that are marginal for sustained use under irrigation.

SUB CLASS

- t - topography
- s - soil problem
- d - drainage




LAND IRRIGABILITY POLLACHI TALUK



REFERENCE

- State boundary - - - - -
- Taluk boundary - - - - -
- Rivers & Gully

LEGEND

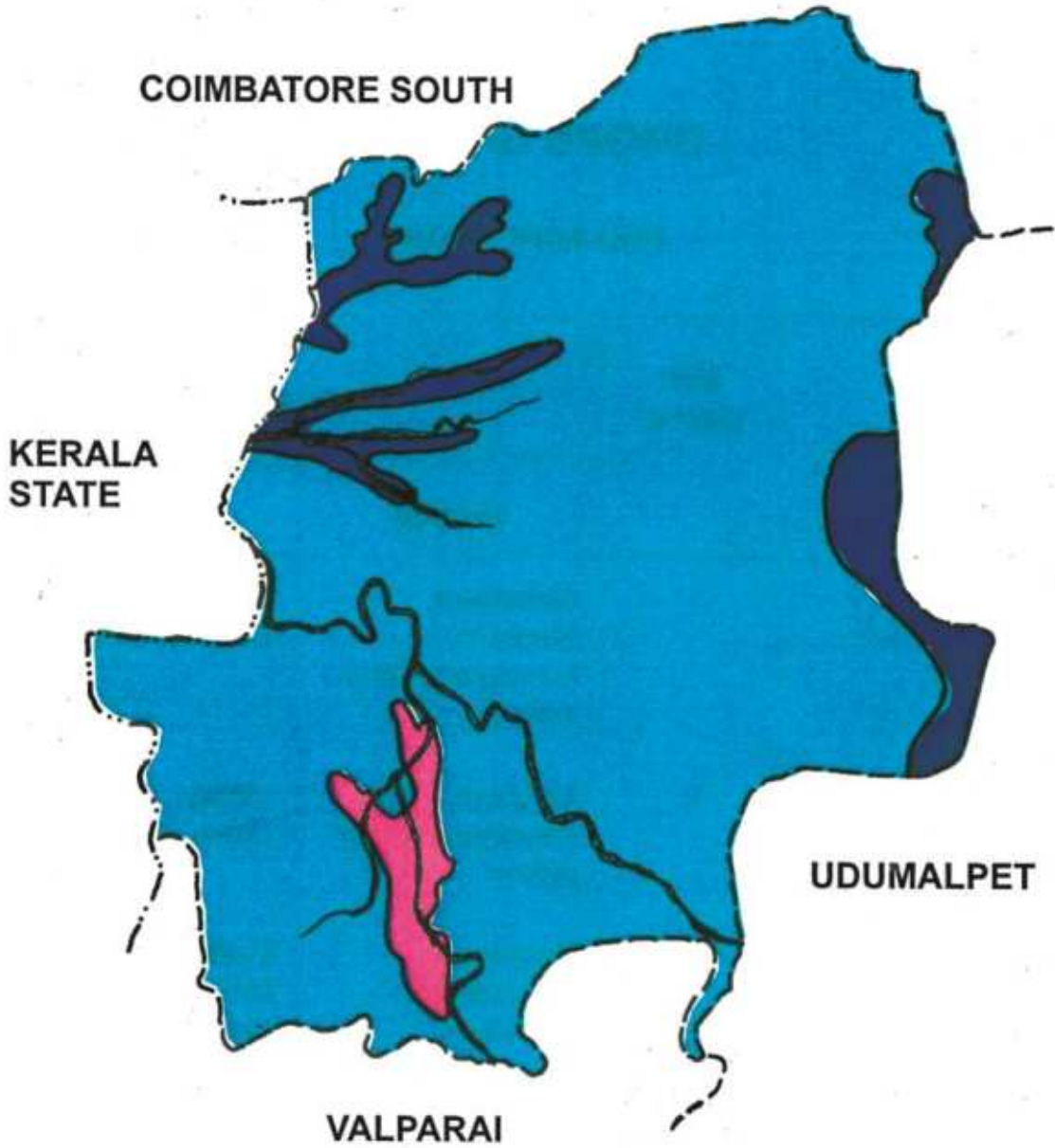
CLASS	SUB CLASS
	MODERATE LIMITATIONS s - SOIL LIMITATIONS
	SEVERE LIMITATIONS t - TOPOGRAPHY
	VERY SEVERE LIMITATIONS d - DRAINAGE

SOIL PRODUCTIVITY




POLLACHI TALUK

Soil series	Productivity		Area (ha)
	Rating	Grouping	
Palladam Irugur	8 - 19	Poor	1,04,002
Dasarapatti Pilamedu	20 - 34	Average	9,587
Anamalai	35 - 64	Good	2,918

SOIL PRODUCTIVITY POLLACHI TALUK



REFERENCE

- State boundary 
- Taluk boundary 
- Rivers & Gully 

LEGEND

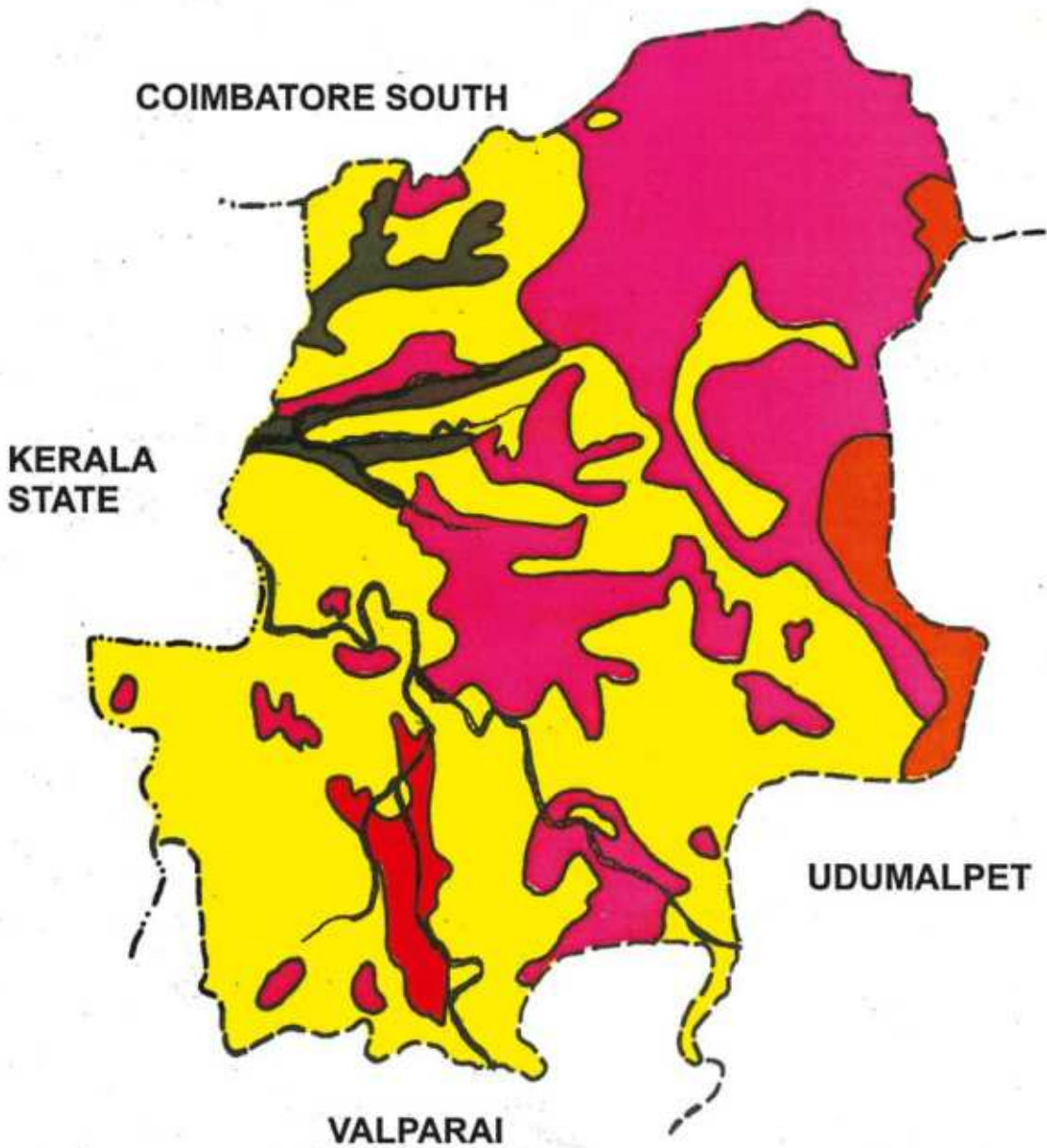
-  GOOD
-  POOR
-  AVERAGE

CROPS GROWN

POLLACHI TALUK

Soil series	Map symbol	Crops grown	
		Rainfed	Irrigated
Irugur	1	Groundnut, Sorghum, Horsegram, Other pulses.	Groundnut, Chillies, Coconut, Maize.
Palladam	2	Sorghum, Horsegram, Other pulses	Chillies, Maize, Onion, Tobacco.
Dasarapatti	3	Sorghum, Bengalgram, Sunflower	Cotton, Ragi, Maize, Sugar cane, Paddy.
Pilamedu	4	Sorghum, Bengalgram	Cotton, Ragi, Maize.
Anamalai	5	Groundnut, Sorghum.	Paddy, Sugarcane, Coconut.

CROPS GROWN POLLACHI TALUK



REFERENCE

- State boundary -----
- Taluk boundary - - - - -
- Rivers & Gully

LEGEND

- | | | | |
|---|-----|---|------|
|  | - 3 |  | - 10 |
|  | - 7 |  | - 11 |
|  | - 9 | | |

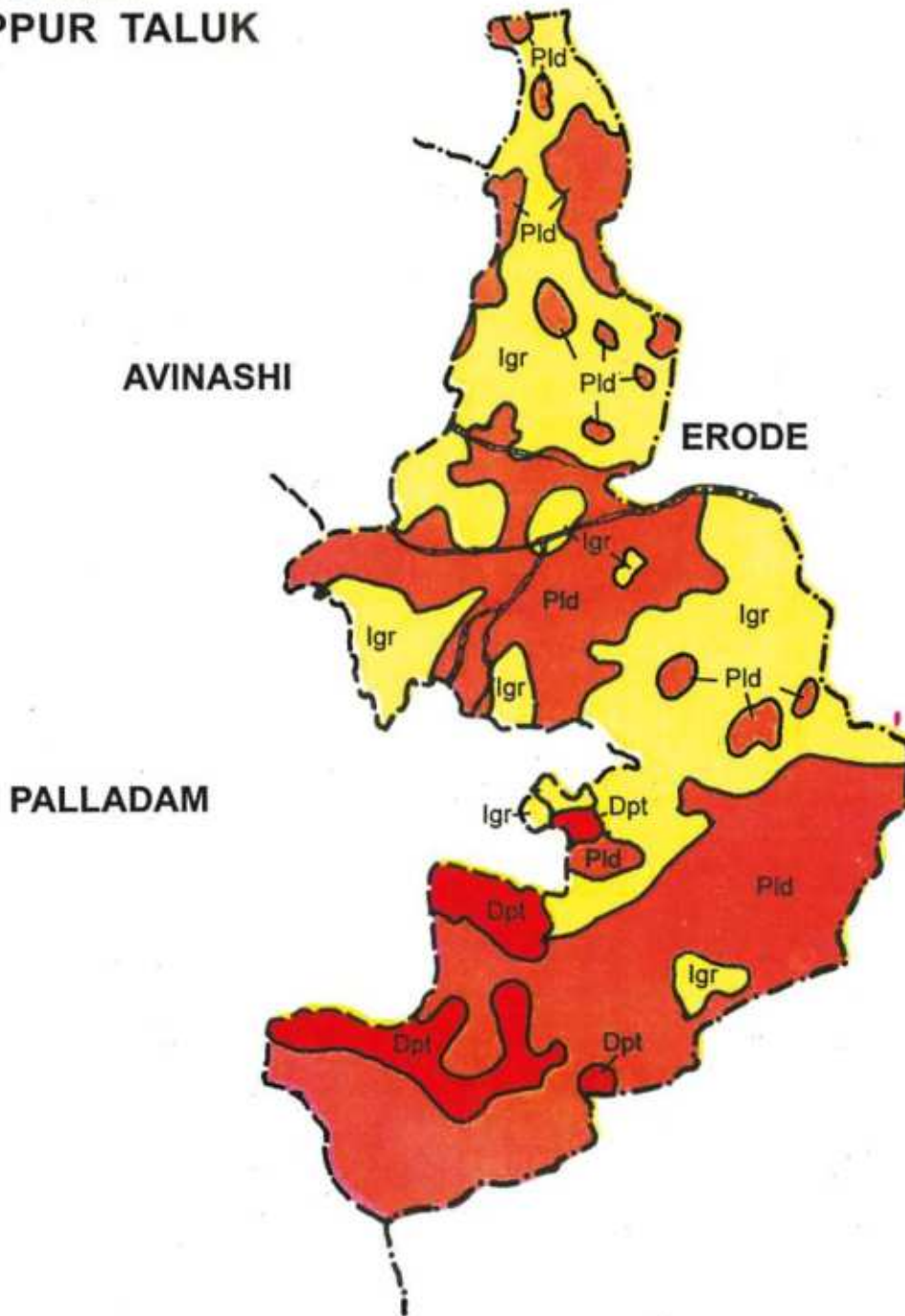
SOILS

TIRUPPUR TALUK

Soil series	Symbol	Extent	
		ha	%
Palladam	Pld	33,164	51.91
Irugur	Igr	26,043	40.76
Dasarapatti	Dpt	4,680	7.33
Total		63,887	100.00



SOILS TIRUPPUR TALUK



REFERENCE

- District boundary -----
- Taluk boundary - - - - -
- Rivers & Gully

LEGEND

- Pld PALLADAM
- Dpt DASARAPATTI
- Igr IRUGUR

Village wise fertility status and soil series

TIRUPPUR TALUK

	Name of the village	Fertility status (kg/ac)			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
1.	Alagumalai	78	10	280	Pld
2.	Andipalayam	74	10	255	Pld
3.	Avanashipalayam	78	10	215	Pld
4.	Chettipalayam	79	9	281	Igr
5.	Elavanthi	77	11	310	Dpt, Pld
6.	Ettiveerampalayam	63	11	230	Igr, Pld
7.	Iduvai	70	11	243	Igr
8.	Kallipalayam	74	10	236	Igr, Pld
9.	Kanakkampalayam	60	9	232	Igr
10.	Kandiankoil	70	10	272	Pld
11.	Kattur	72	10	288	Pld
12.	Kethanur	66	9	266	Pld, Dpt
13.	Madeppur	71	11	261	Dpt, Pld
14.	Mangalam	75	10	295	Igr, Pld
15.	Mannarai	69	10	303	Igr, Pld
16.	Merugupatti	69	10	293	Igr, Pld
17.	Mudalipalayam	79	12	266	Igr
18.	Muthannampalayam	73	12	255	Igr
19.	Nachipalayam	83	9	248	Igr
20.	Nallur	67	10	274	Igr, Pld

Name of the village		Fertility status (kg/ac)			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
21.	Nerupperichel	68	12	193	Igr, Pld
22.	Pattampalayam	76	10	300	Igr, Pld
23.	Perumanallur	67	11	185	Igr, Pld
24.	Perunthozhuvu	75	9	265	Igr, Pld
25.	Pongalur	69	10	280	Igr, Pld
26.	Pongupalayam	79	9	286	Igr
27.	Sokkanur	64	11	258	Igr, Pld
28.	Thonguttipalayam	82	10	266	Igr, Pld
29.	Thoravalur	69	12	258	Igr, Pld
30.	Thottipalayam	70	10	203	Igr, Pld
31.	Tiruppur	79	9	286	Pld
32.	Ugayanur	76	11	262	Igr, Pld
33.	Vadakuavinashipalayam	71	8	154	Igr
34.	Vadamalaipalayam	64	11	264	Pld
35.	Vallipuram	70	10	277	Pld, Igr
36.	Vavipalayam	74	10	265	Pld
37.	Veerapandi	71	12	248	Pld, Igr
38.	Velampalayam	86	12	226	Igr

LAND CAPABILITY

TIRUPPUR TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
4,680	III se	Dasarapatti	Heavy texture, alkalinity, erosion	Selection of crops and soil conservation
26,043	III es	Irugur	Erosion, medium, soil depth, more of gravels.	Soil and water conservation, selection of crops
33,164	IV es	Palladam	Erosion, coarse texture, shallow depth.	Soil and water conservation, pasture development

LEGEND

CLASS

III - Lands that have severe limitations for sustained use under agriculture.

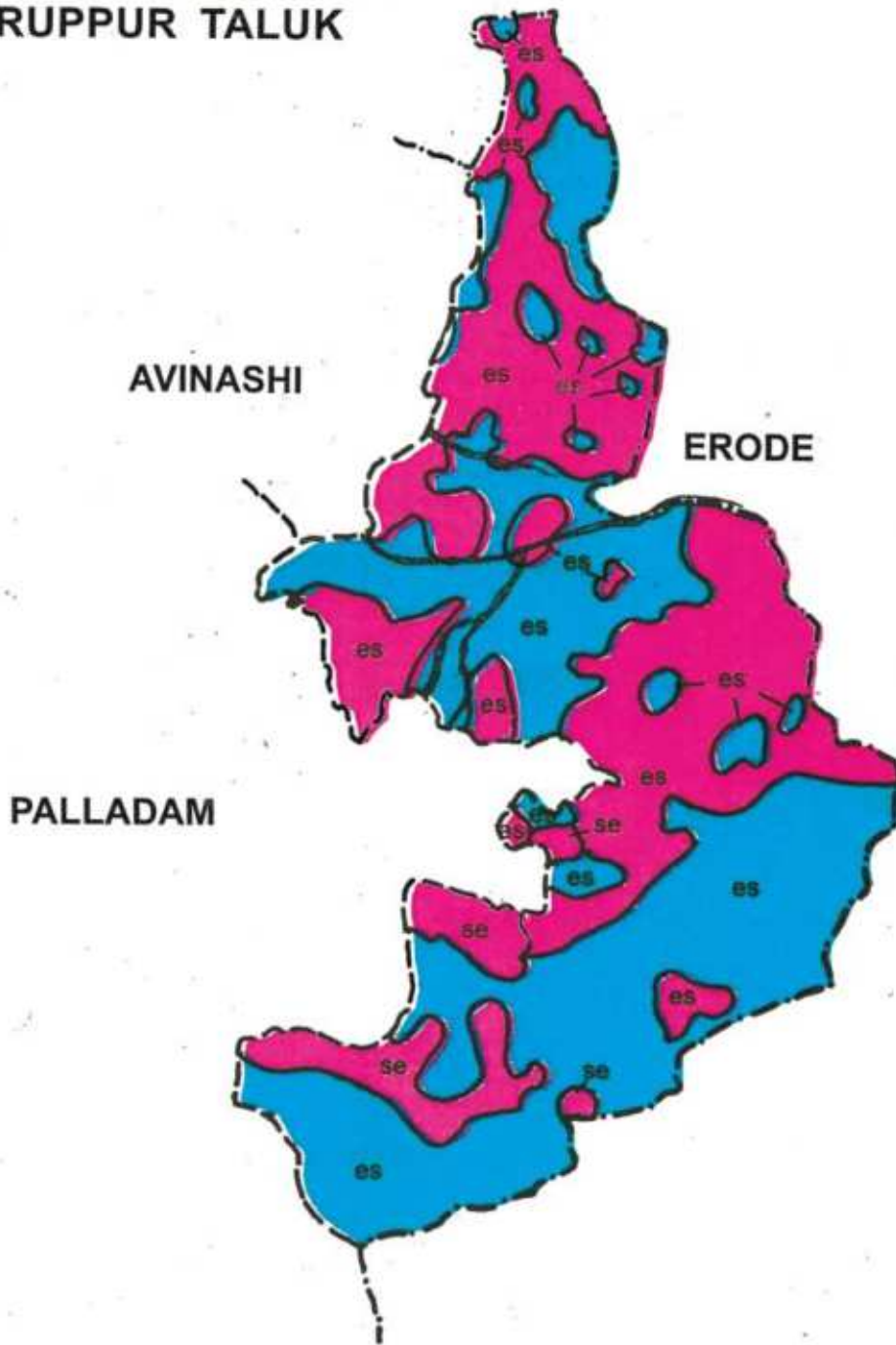
IV - Lands that have severe limitation for agriculture and require careful management.

SUB CLASS




e - erosion

s - soil problem



LAND CAPABILITY TIRUPPUR TALUK



REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

LEGEND

CLASS	SUB CLASS
 MODERATELY GOOD CULTIVABLE LAND	e - EROSION
 FAIRLY GOOD CULTIVABLE LAND	s - SOIL LIMITATIONS

LAND IRRIGABILITY

TIRUPPUR TALUK

Area (ha)	Irrigability classification	Soil series	Limitation
26,043	3 st	Irugur	Presence of quartz gravels, moderate soil depth and topography
4,680	4 ds	Dasarapatti	Poor drainage, alkalinity, presence of gypsum
33,164	4 st	Palladam	Shallow soil depth, more of CaCO ₃ , topography

LEGEND

CLASS

3 - Land that have severe soil limitations for sustained use under irrigation

4 - Lands that are marginal for sustained use under irrigation

SUB CLASS

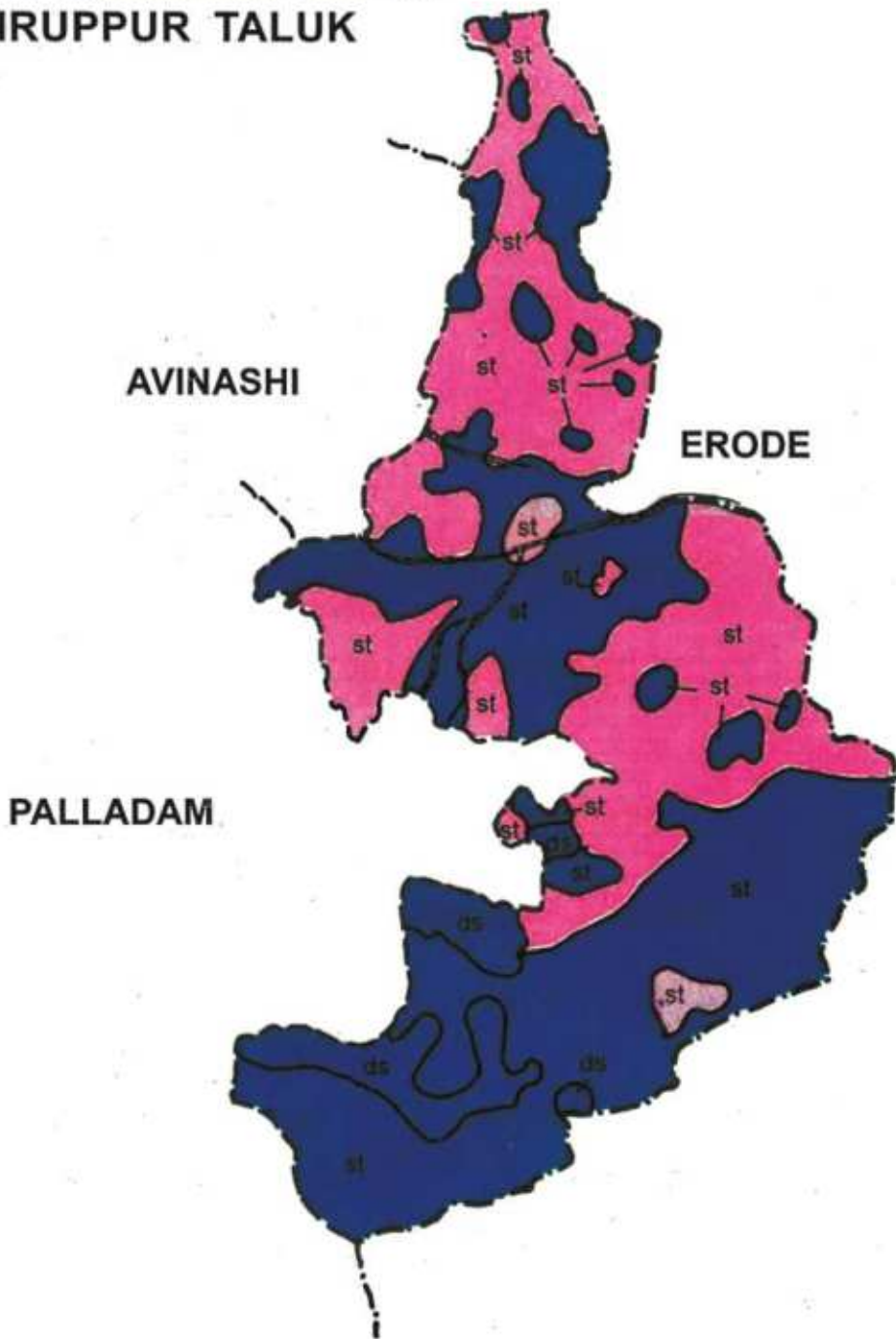
t - topography

s - soil problem




d - drainage

LAND IRRIGABILITY

TIRUPPUR TALUK





REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

LEGEND

CLASS

-  SEVERE LIMITATIONS
-  VERY SEVERE LIMITATIONS

SUB CLASS

- s - SOIL LIMITATIONS
- t - TOPOGRAPHY
- d - DRAINAGE

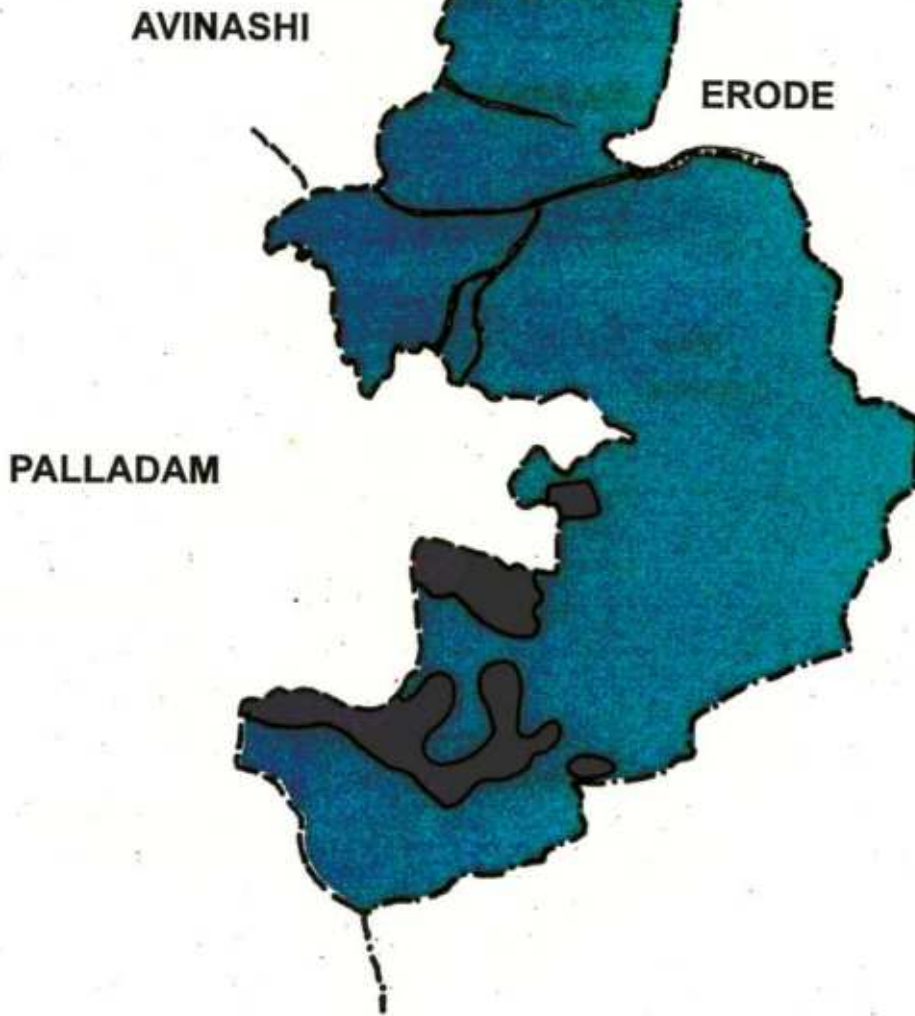
SOIL PRODUCTIVITY

TIRUPPUR TALUK




Area (ha)	Productivity		Soil series
	Rating	Grouping	
59,207	8 - 19	Poor	Palladam Irugur
4,680	20 - 34	Average	Dasarapatti

SOIL PRODUCTIVITY

TIRUPPUR TALUK



REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

LEGEND

-  AVERAGE
-  POOR

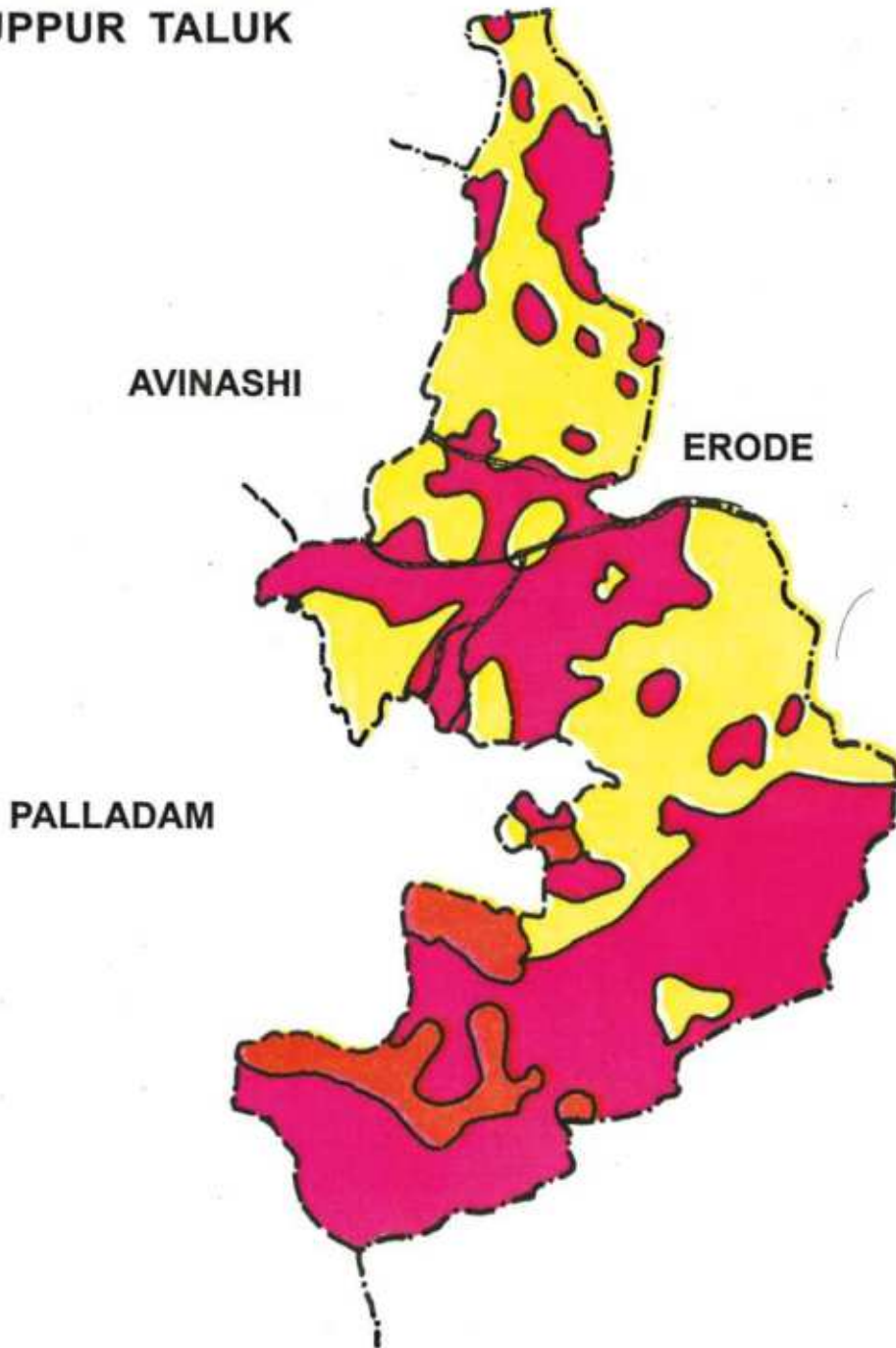
CROPS GROWN

TIRUPPUR TALUK




Soil series	Map symbol	Crops grown	
		Rainfed	Irrigated
Palladam	1	Horse gram, Sorghum, Pulses.	Onion, Tobacco, Maize, Sorghum, Cumbu, Tapioca.
Irugur	2	Sorghum, Groundnut, Pulses.	Groundnut, Cotton, Chillies, Onion, Turmeric, Cumbu, Sorghum.
Dasarapatti	3	Sorghum, Coriander Bengalgram	Ragi, Cotton



CROPS GROWN TIRUPPUR TALUK



REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

LEGEND

-  - 7
-  - 9
-  - 10

SOILS

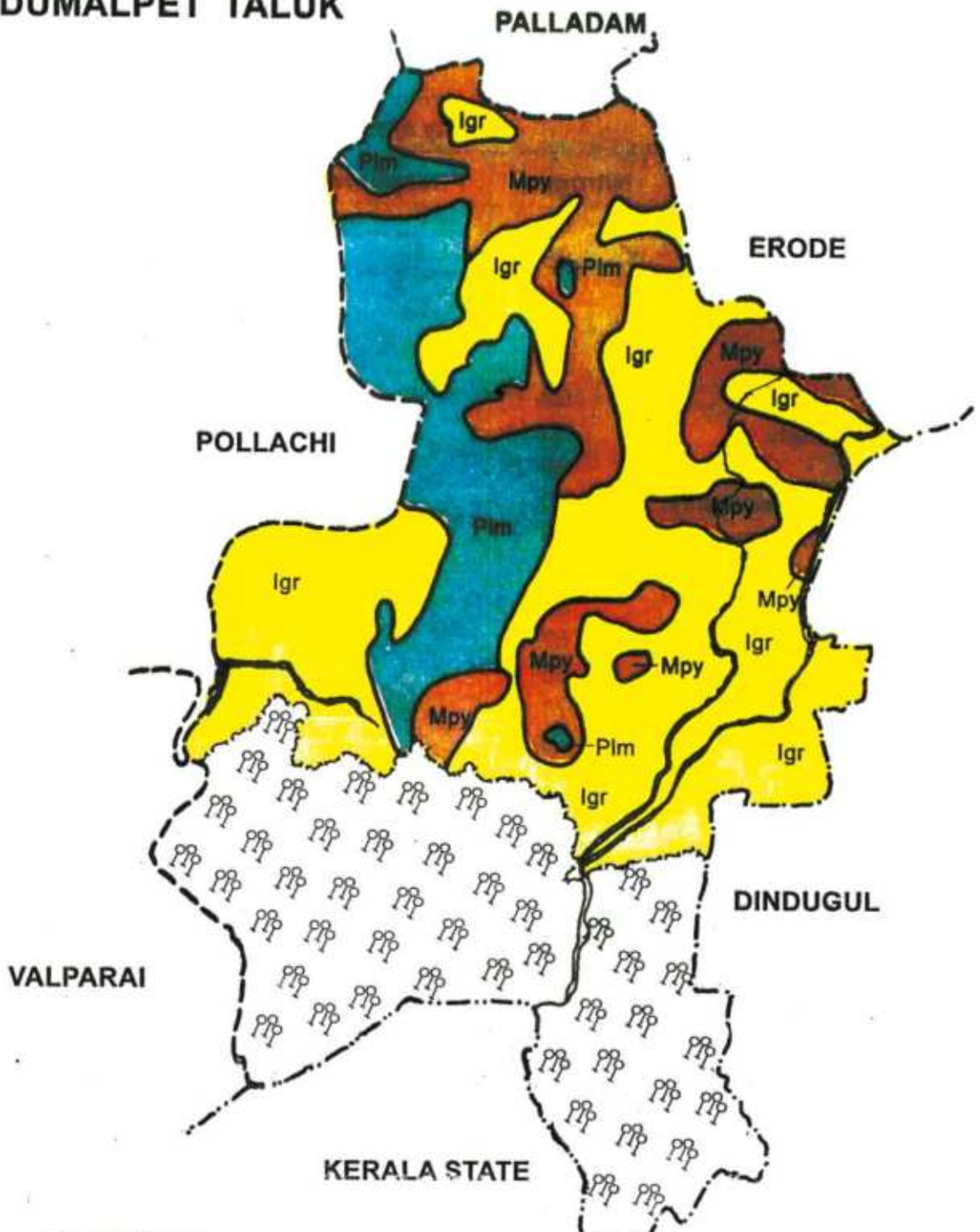
UDUMALPET TALUK

Soil series	Symbol	Extent	
		ha	%
Irugur	Igr	44,980	31.31
Manupatty	Mpy	30,461	21.20
Pilamedu	Plm	21,636	15.06
Forests	—	46,602	32.43
Total		1,43,679	100.00



SOILS

UDUMALPET TALUK



REFERENCE

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

LEGEND

-  Igr IRUGUR
-  Mpy MANUPATTY
-  Plm PILAMEDU

Village wise fertility status and soil series

UDUMALPET TALUK

	Name of the village	Fertility status (kg/ac)			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
1.	Agrakara kannadipudur	64	10	229	Igr
2.	Alampalayam	68	9	312	Mpy
3.	Ammanathukadavu	58	8	326	Mpy
4.	Anaikadavu	67	8	316	Mpy
5.	Andigoundanur	56	10	202	Igr
6.	Anthiyur	62	10	290	Plm, Igr
7.	Athukinathupatti	68	11	258	Igr, Mpy
8.	Bodipatti	90	10	295	Igr
9.	Bogigoundanthasaripatty	70	8	215	Igr
10.	Chellapampalayam	113	12	312	Igr
11.	Chinnapapanuthu	71	7	312	Igr
12.	Chinnaivalavadi	82	8	298	Plm, Igr
13.	Chinnavedampatti	67	10	175	Mpy
14.	Cholamadevi	66	11	246	Igr
15.	Devanurpudur	71	9	160	Igr
16.	Errisanampatti	58	10	301	Igr
17.	Ganapathypalayam	78	8	266	Plm
18.	Gudimangalam	63	10	309	Mpy, Igr
19.	Illaiyamuthur	80	12	290	Plm, Igr
20.	Illupanagaram	50	12	237	Igr
21.	Jallipatty	83	8	268	Igr, Mpy
22.	J.N. Palayam	62	10	312	Igr
23.	Jothampatti	54	10	215	Igr, Mpy
24.	Kadathur	58	9	315	Igr
25.	Kallapuram	73	8	284	Igr
26.	Kaniyur	82	14	286	Igr, Mpy
27.	Kannakkampalayam	62	11	175	Igr, Mpy
28.	Kannamanaickenur	70	11	222	Igr, Mpy
29.	Karatholuvu	67	5	264	Igr, Mpy
30.	Kodukiyam	67	12	289	Igr
31.	Kolumam	64	9	305	Igr
32.	Kondampatti	92	13	366	Igr, Mpy
33.	Kongalnagaram	64	10	269	Plm, Igr
34.	Kosavampalayam	67	9	296	Mpy, Igr
35.	Kottamangalam	65	13	275	Igr, Mpy
36.	Kumaralingamkilakku	81	13	282	Igr

	Name of the village	Fertility status (kg/ac)			Dominant soil series
		Nitrogen	Phosphorous	Potassium	
37.	Kumaralingammerkku	49	10	186	Igr
38.	Kuppampalayam	70	10	316	Mpy
39.	Kuralkuttai	62	11	175	Igr, Mpy
40.	Kurichikottai	69	10	264	Mpy, Igr
41.	Kuruncheri	68	9	264	Plm
42.	Lingamanur	68	10	235	Igr
43.	Manupatti	70	10	286	Mpy
44.	Metrathi	63	8	284	Mpy, Igr
45.	Moongiltholuvu	74	11	357	Mpy
46.	Mudukupatti	67	7	374	Plm, Igr
47.	Mukkuttujallipatti	65	9	322	Plm, Mpy
48.	Myvadi	69	9	238	Igr, Mpy
49.	Pannaikinaru	70	10	306	Plm
50.	Pappankulam	84	9	215	Igr
51.	Periakottai	79	10	306	Igr, Mpy
52.	Periapapanuthu	71	8	198	Igr
53.	Periapatti	67	9	366	Mpy
54.	Periavallavadi	48	9	235	Igr, Plm
55.	Ponneri	69	9	165	Mpy, Igr
56.	Pudupalayam	77	8	3492	Plm
57.	Pukkulam	64	9	30	Mpy, Plm
58.	Pulavadi	81	10	258	Mpy
59.	Pungamuthur	64	9	225	Igr
60.	Ragalpavi	65	9	255	Plm
61.	Ravanapuram	75	8	98	Igr
62.	Reddipalayam	58	8	306	Igr
63.	Sankaramanallurtherku	71	10	312	Igr
64.	Sarkarkannadipudur	60	11	212	Igr
65.	Sarkarpudur	69	9	164	Igr, Plm
66.	Somavarapatty	58	11	273	Igr
67.	Thanthoni	82	11	264	Igr
68.	Thinnampatti	68	9	302	Igr
69.	Thumpalapatti	87	10	275	Mpy, Igr
70.	Thunkavi	71	10	304	Igr, Mpy
71.	Udumalpet	77	9	189	Plm, Igr
72.	Vadugapalayam	54	11	312	Igr
73.	Vagatholuvu	71	10	249	Plm, Mpy
74.	Valayampalayam	78	8	283	Igr
75.	Vedapatti	48	4	182	Igr
76.	Vellore	69	8	271	Plm
77.	Vennasampatti	58	10	237	Plm, Mpy
78.	Vethampatti	63	11	268	Plm
79.	Virugalpatti	59	12	289	Plm

LAND CAPABILITY

UDUMALPET TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
75441	III es	Irugur Manupatty	Erosion, medium soil depth, gravelliness, run-off.	Soil and water conservation, selection of crops.
21636	III se	Pilamedu	Heavy texture, moderate alkalinity, sheet erosion	Selection of crops and soil conservation

LEGEND

CLASS

II - Lands that have moderate limitations for sustained use under agriculture.

III - Land that have severe limitations for sustained use under agriculture.

IV - Lands that have very severe limitations for agriculture and require careful management

SUB CLASS

e - erosion

s - soil problem



LAND CAPABILITY

UDUMALPET TALUK

PALLADAM

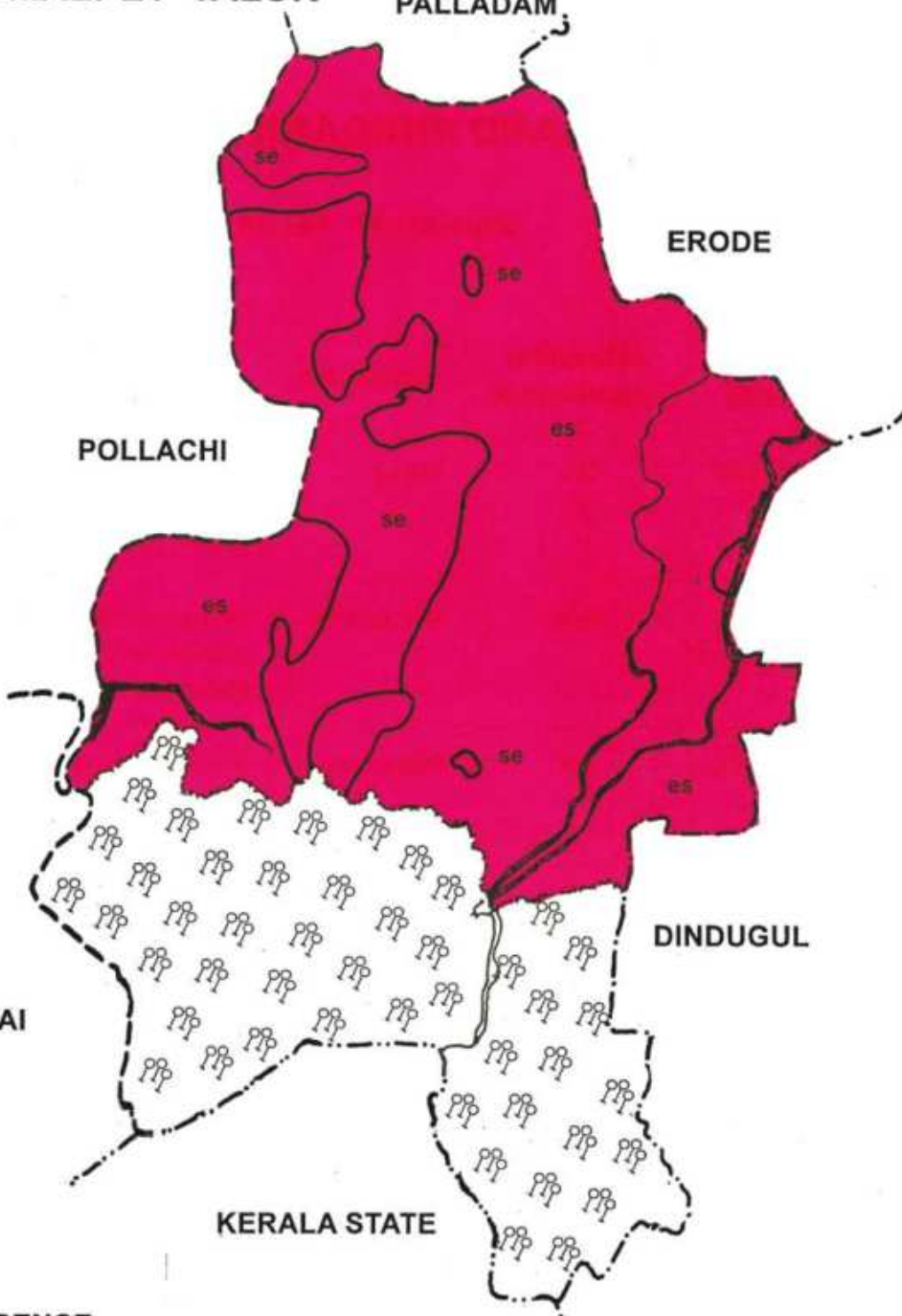
ERODE

POLLACHI


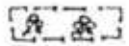
DINDUGUL

VALPARAI

KERALA STATE



REFERENCE

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

CLASS

 MODERATELY GOOD CULTIVABLE LAND

LEGEND

SUB CLASS

- e - EROSION
- s - SOIL LIMITATIONS

LAND IRRIGABILITY

UDUMALPET TALUK

Area (ha)	Irrigability classification	Soil series	Limitation
44980	3ts	Irugur	Presence of quartz gravels, moderate soil depth, and topography.
30461	3ds	Manupatty	Moderate drainage and presence of kankar in the solum.
21636	3ds	Pilamedu	Poor drainage and soil alkalinity.

LEGEND **CLASS**

3 - Land that have severe soil limitations for sustained use under irrigation.

SUB CLASS

t - topography

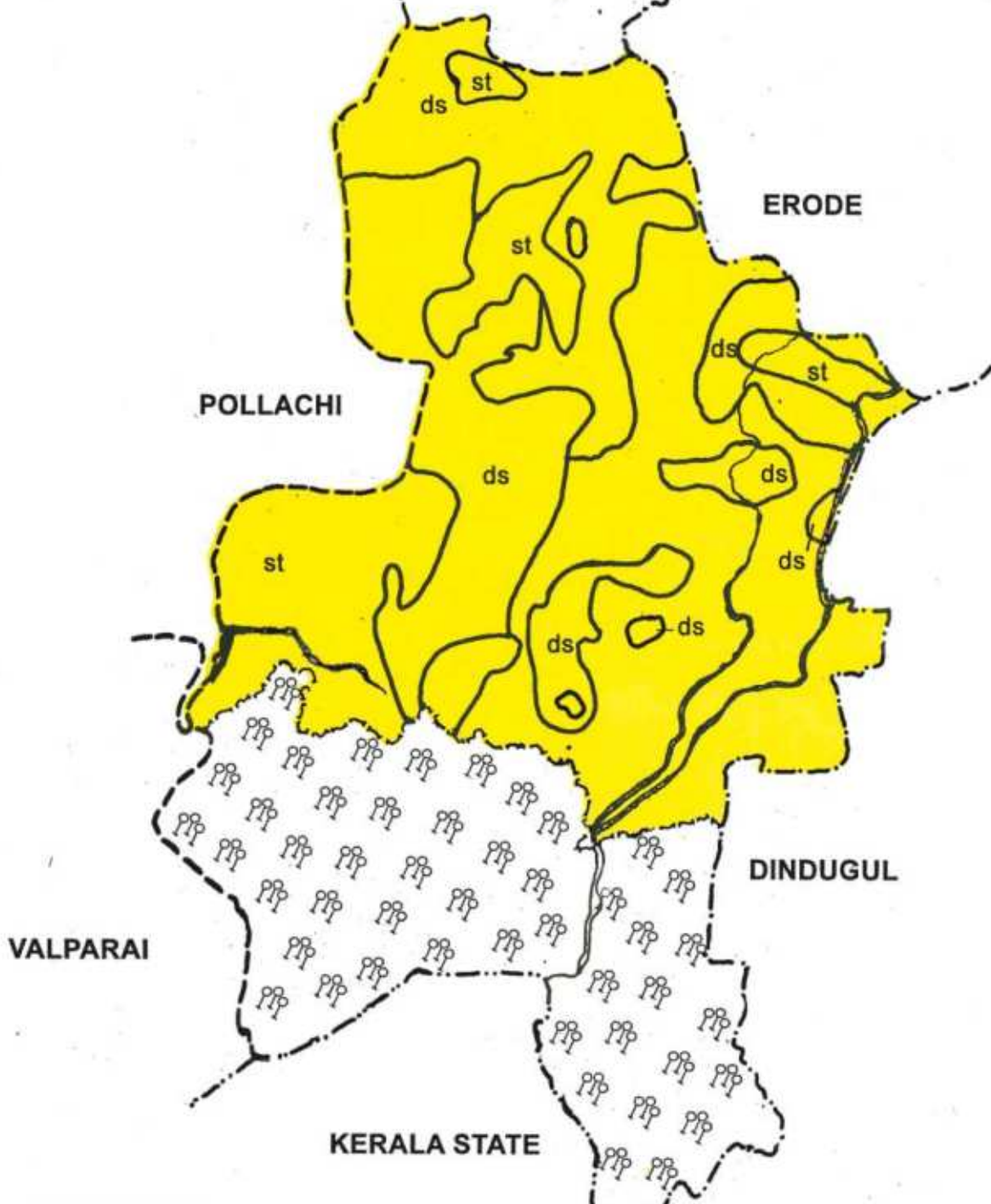
s - soil problem

d - drainage


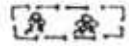


LAND IRRIGABILITY

UDUMALPET TALUK PALLADAM



REFERENCE

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

CLASS



SEVERE LIMITATIONS

LEGEND

SUB CLASS

- s - SOIL LIMITATIONS
- T - TOPOGRAPHY
- d - DRAINAGE

SOIL PRODUCTIVITY

UDUMALPET TALUK

Area (ha)	Productivity		Soil series
	Rating	Grouping	
75441	8 - 19	Poor	Manupatty Irugur
21636	20-34	Average	Pilamedu

CROPS GROWN

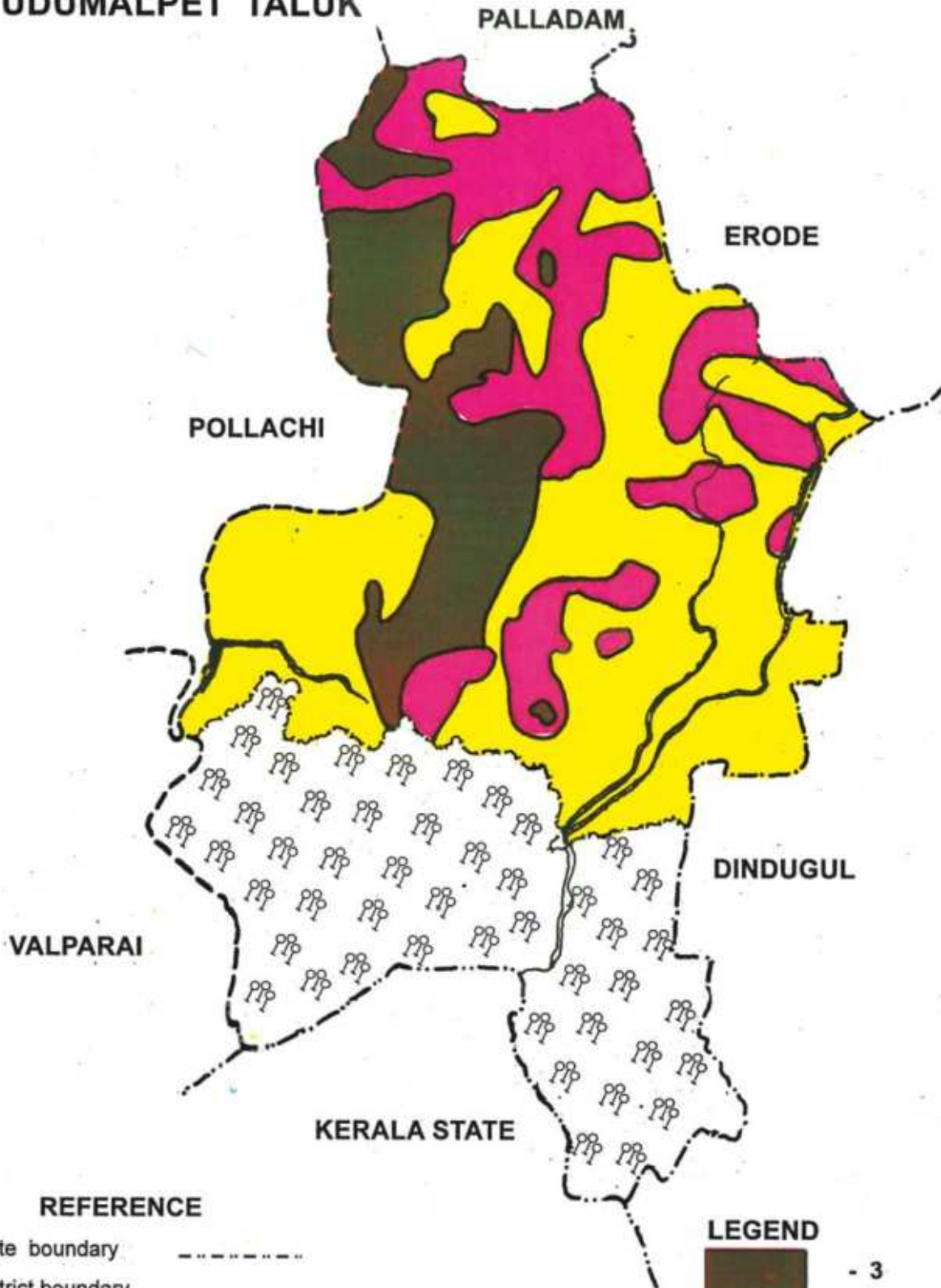
UDUMALPET TALUK

Soil series	Map symbol	Crops grown	
		Rainfed	Irrigated
1. Irugur	1	Groundnut, Sorghum, Horsegram and other pulses.	Groundnut, Maize, Chillies, Sorghum,, Coconut, Paddy.
2. Manupatty	2	Cotton, Sorghum, Horsegram, other Pulses, Groundnut.	Sugarcane, Paddy, Maize, Sorghum.
3. Pilamedu	3	Sorghum, Bengalgram, Pulses, Coriander.	Cotton, Paddy, Maize





CROPS GROWN

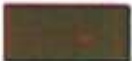


UDUMALPET TALUK



REFERENCE

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

LEGEND

-  - 3
-  - 7
-  - 9

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2. *Source* : i) ***Soils of Coimbatore district***
District Report No. 1 published by SSLUO Coimbatore
- ii) ***Village level fertility status***
Assistant Soil Chemist Soil Testing Laboratory Coimbatore
- iii) ***Quality of irrigation water***
Assistant Soil Chemist Soil Testing Laboratory Coimbatore
- iv) ***Micronutrient status***
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