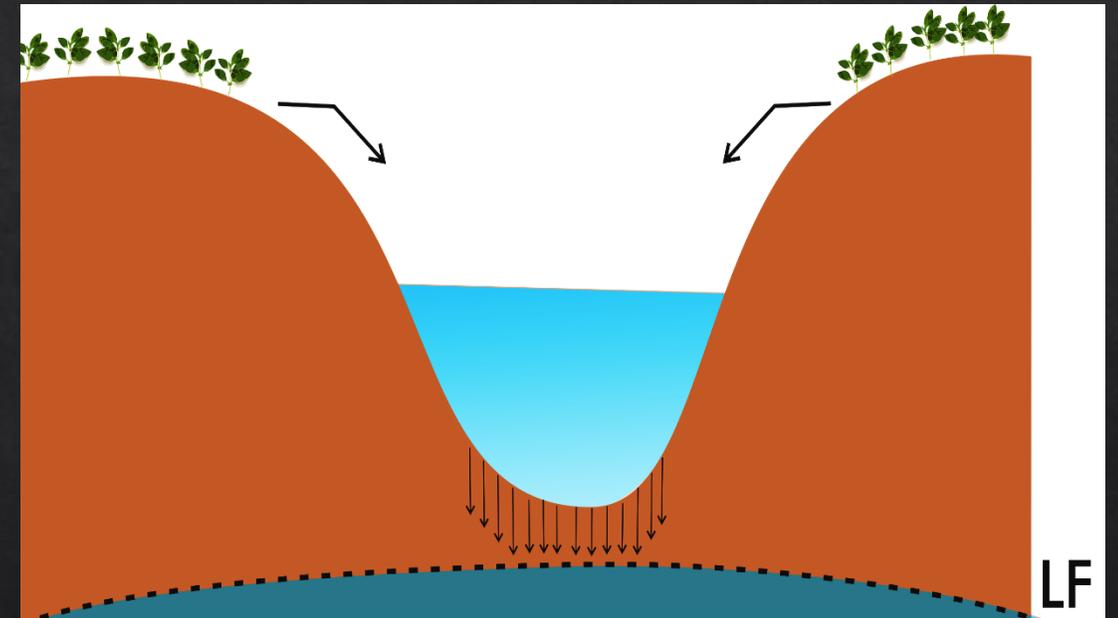
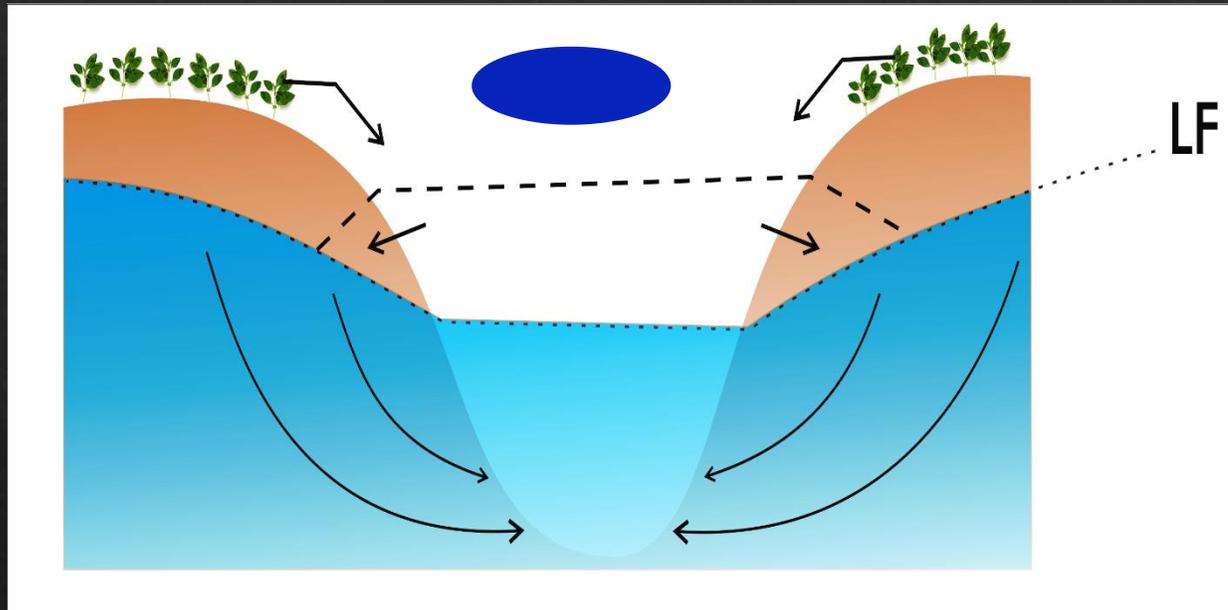


CURSO AGRONOMIA
LEB 1440 – HIDROLOGIA e DRENAGEM
(2023)

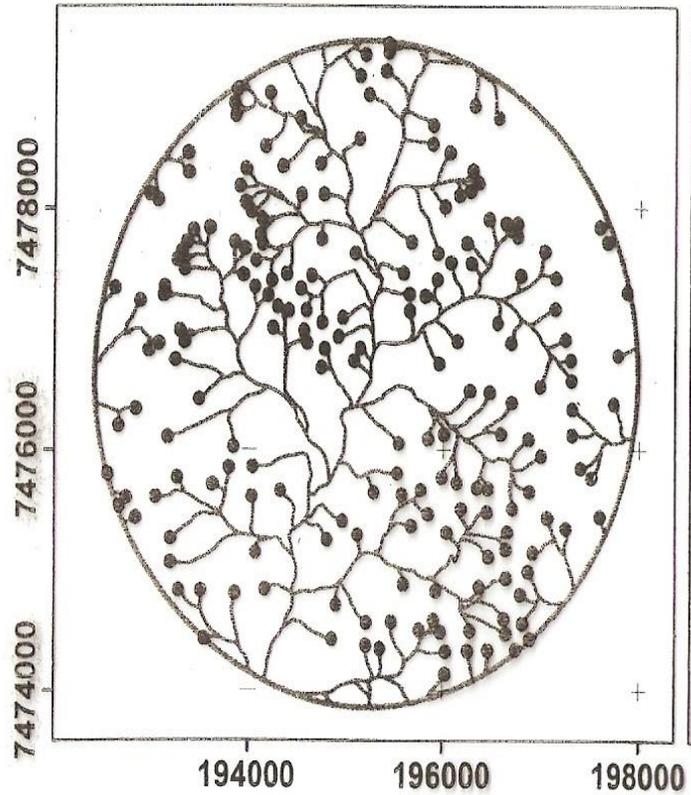
Fernando Mendonça, Sergio Duarte e Helio Araújo (PAE)

AULA 2 – Bacias hidrográficas III e IV

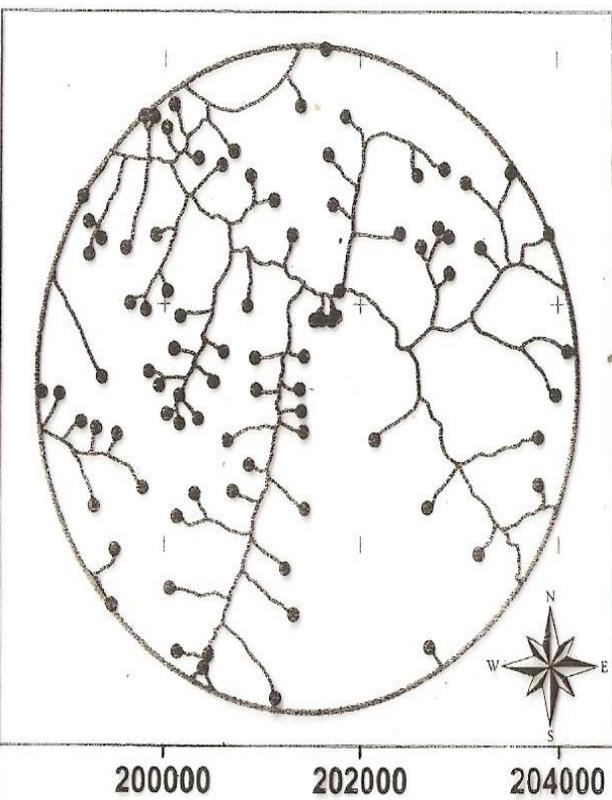
Cursos d'água Perenes, Efêmeros e Intermitentes



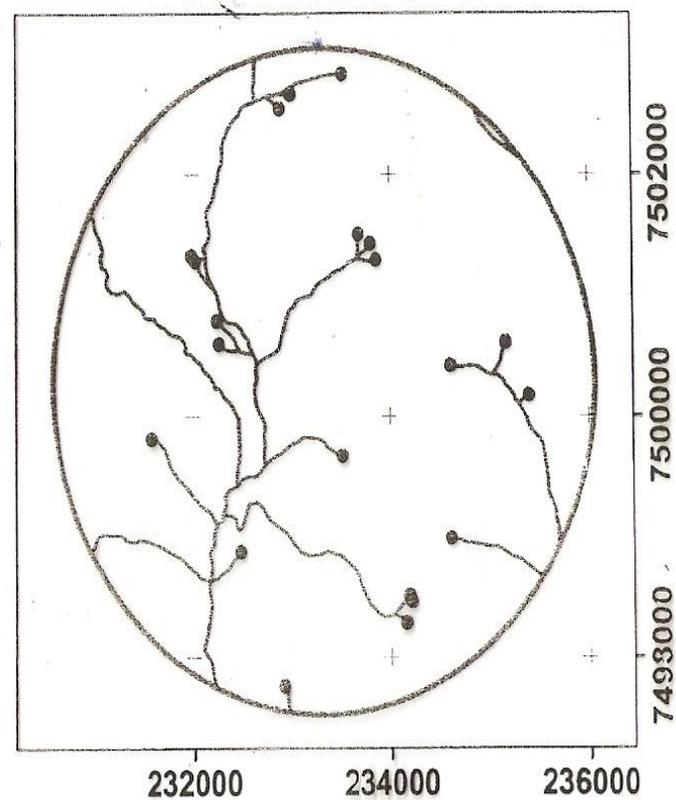
Amostra 1



Amostra 2



Amostra 3



Legenda

- Nascentes
- Amostras
- Hidrografia Cartas 1:10.000

Datum: SIRGAS2000
UTM 23K Sul

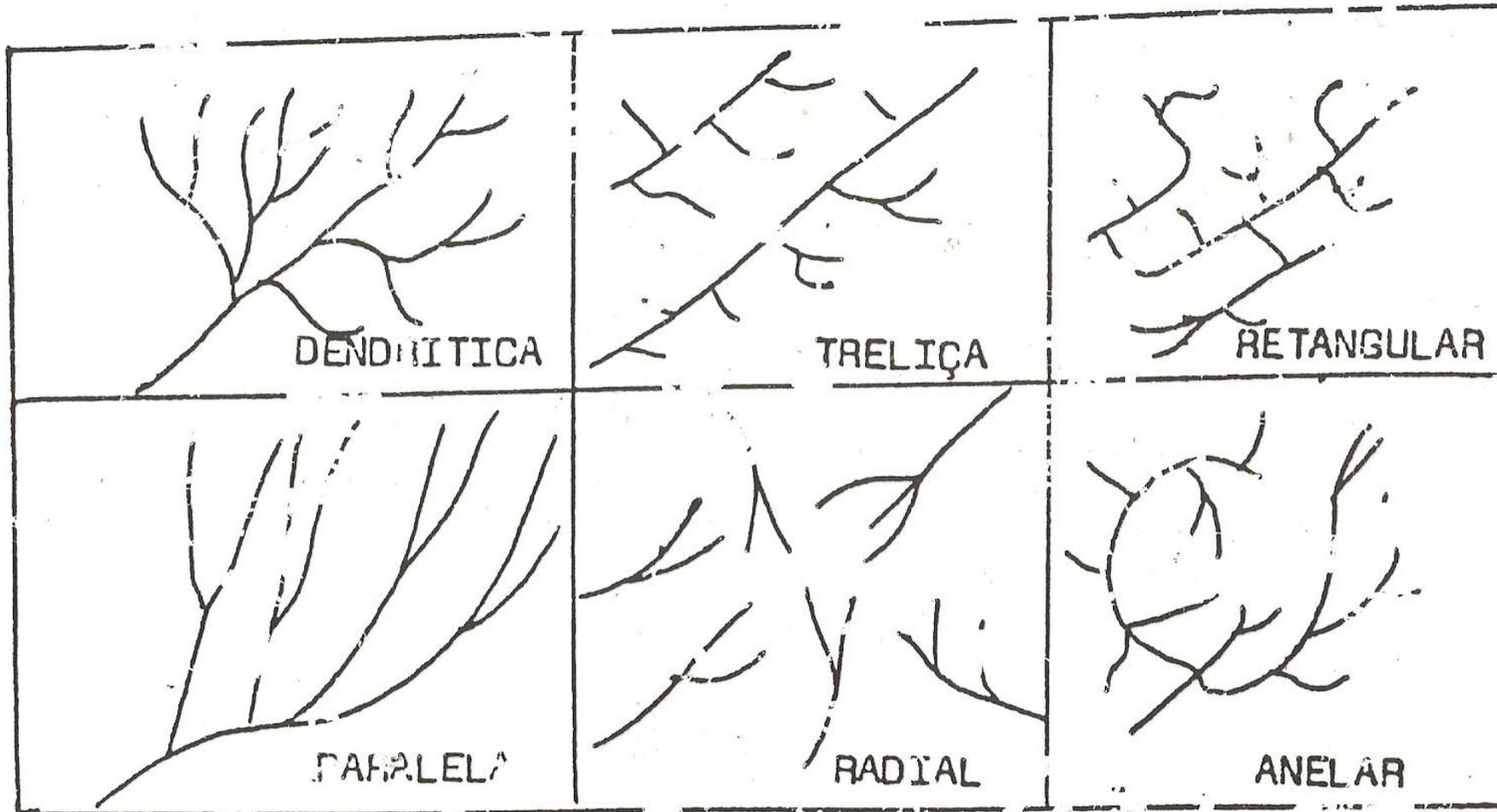
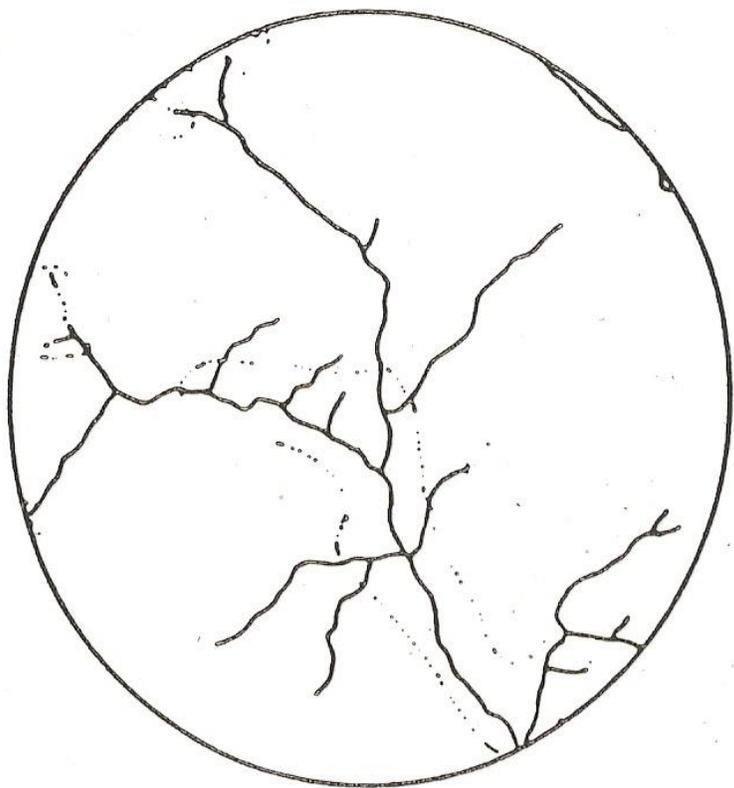
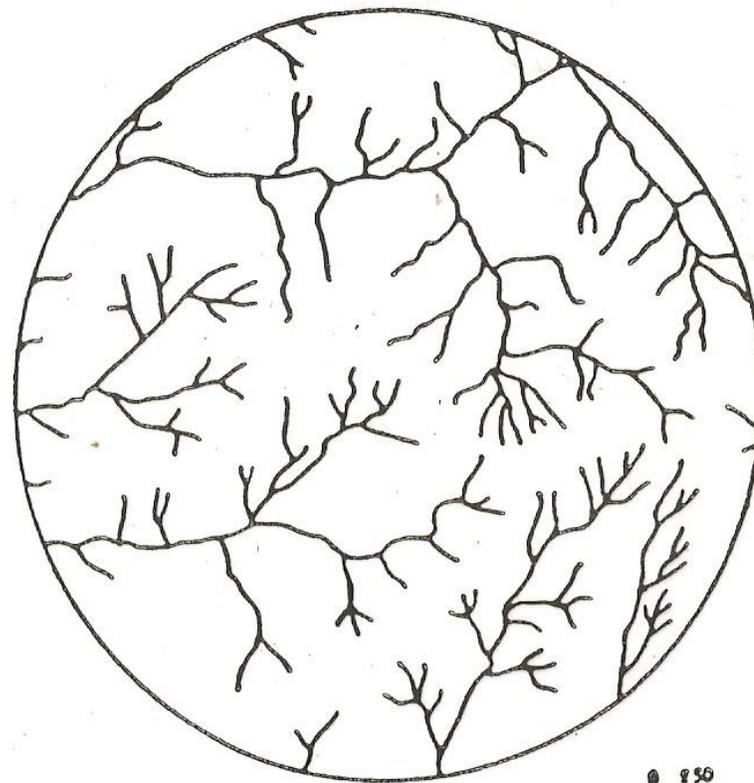


Figura 3.7.: Padrões de drenagem.



Latossolo Roxo eutrófico
Dd = 1,54
(FONTE: Manechini, 1981)

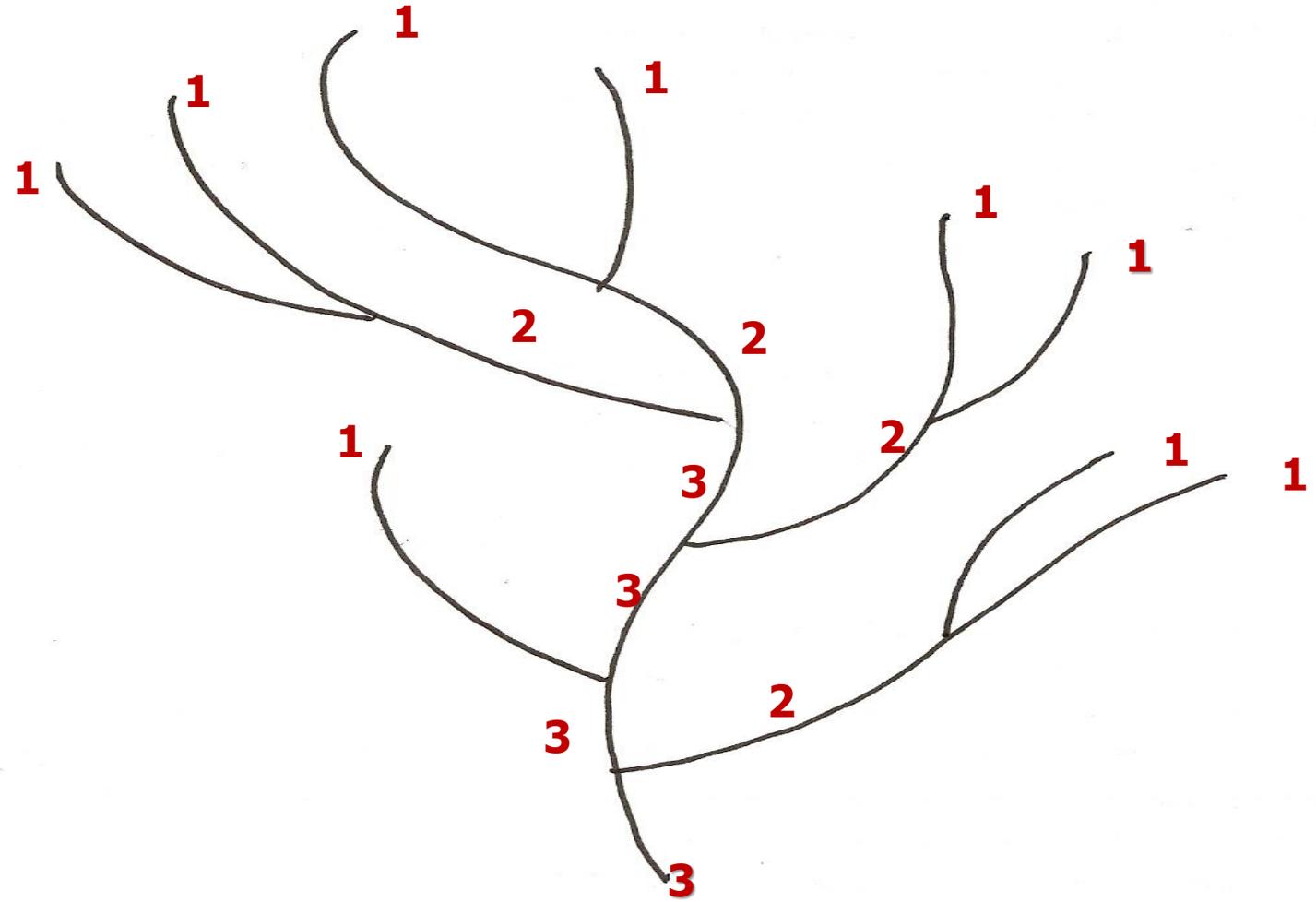


Podzólico Vermelho Amarelo
Dd = 4,54

Hierarquia Fluvial

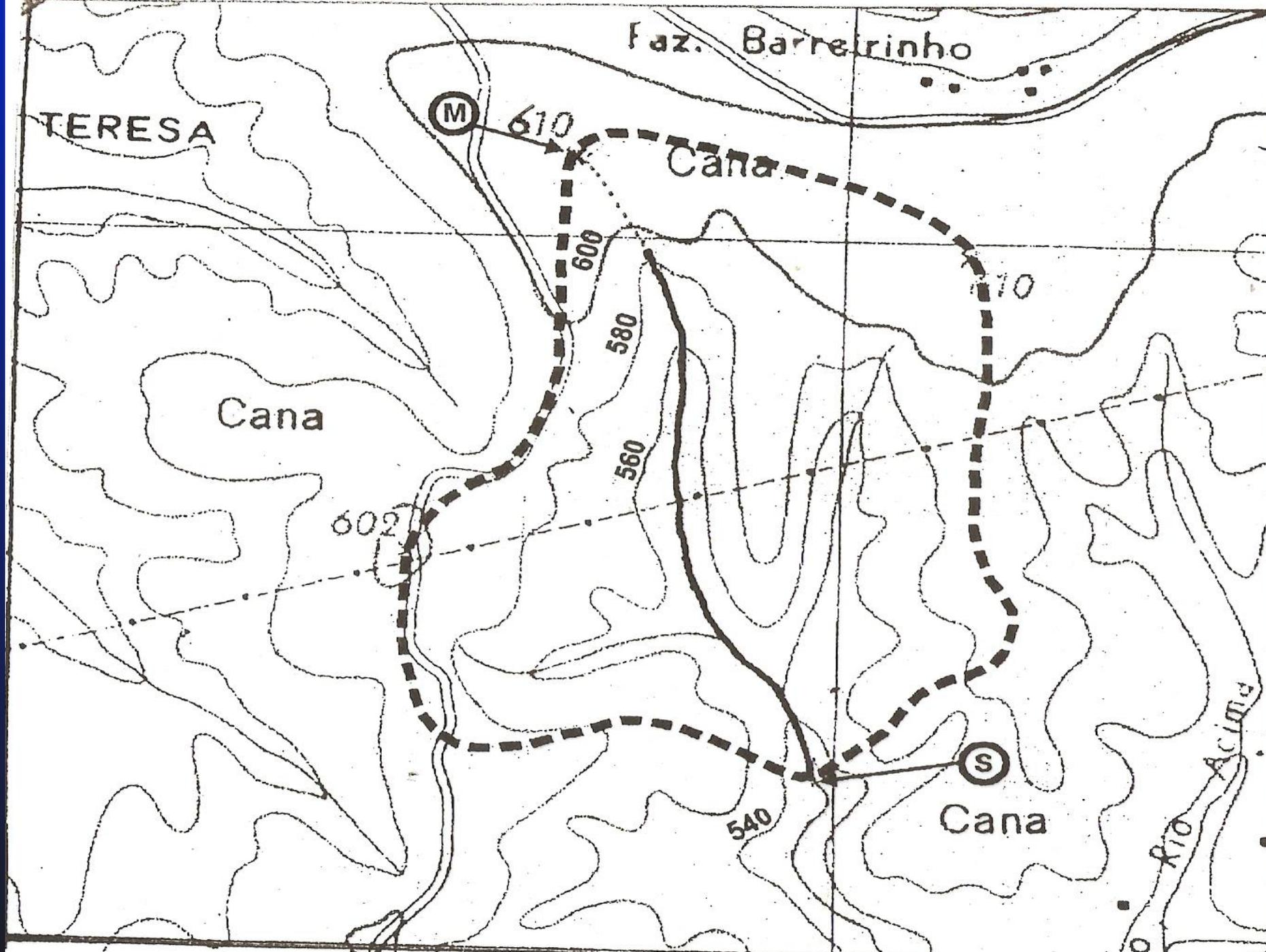
STRAHLER

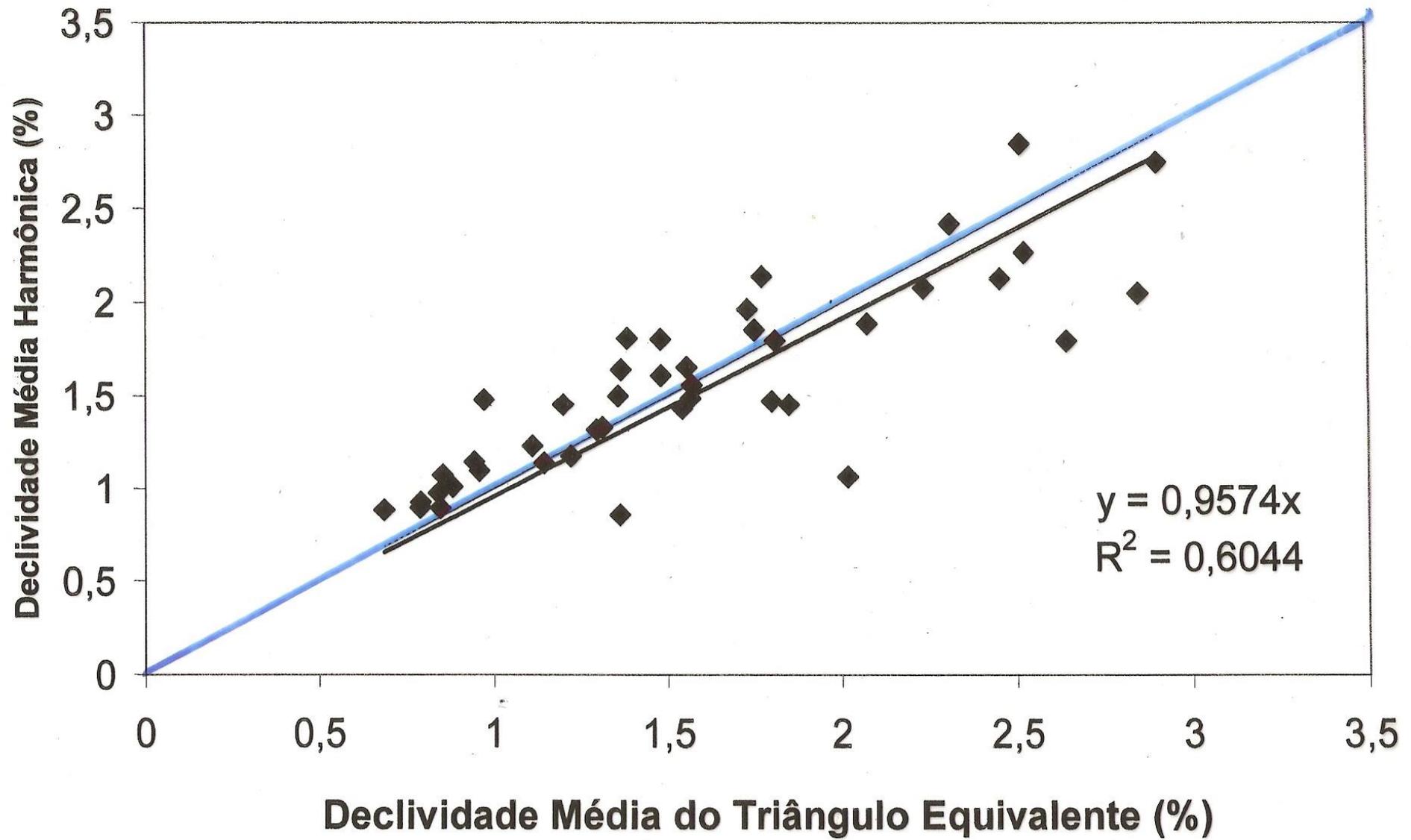
SHEVE

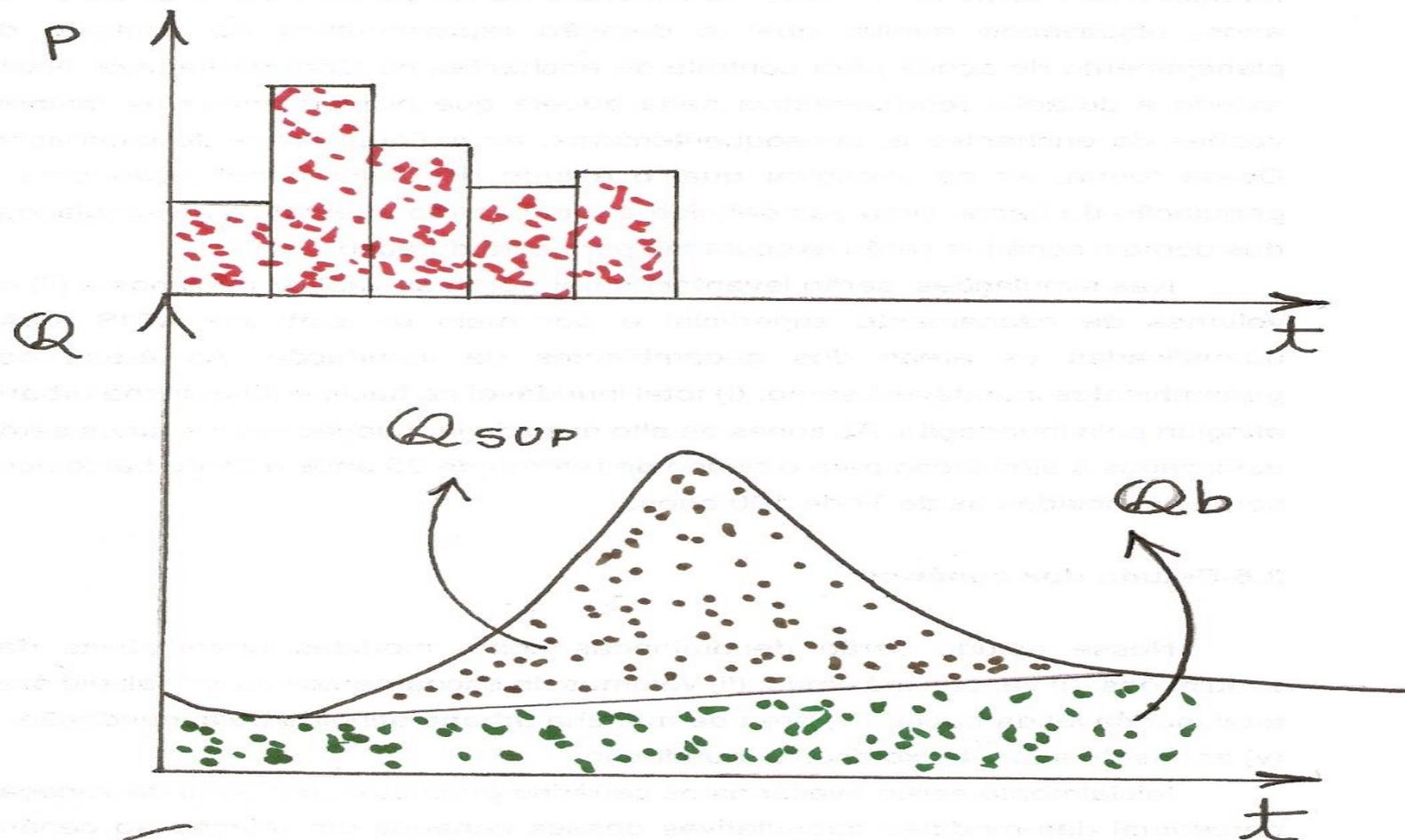


DECLIVIDADE MÉDIA DO TALVEGUE

- 1) Declividade média simples (I_s) 
- 2) Declividade média equivalente harmônica (I_{eq})
- 3) Declividade média do triângulo de área equivalente (I_{Δ})







$$\left\{ \begin{array}{l} RH = \frac{Q_{SUP} + Q_b}{P} \\ C = \frac{Q_{SUP}}{P} \\ BFi = \frac{Q_b}{Q_b + Q_{SUP}} \end{array} \right.$$

Como o reflorestamento afeta esses índices ?

Deflúvio superficial (mm/ano) e Vazão média específica (L/s/ha)

$$1400 \text{ mm/ANO} = 1400 \frac{\text{L/m}^2}{365 \times 24 \times 60 \times 60 \text{ seg}} =$$

$$= 0,000044 \frac{\text{L/s}}{\text{m}^2} \approx 0,44 \text{ L/s/ha}$$

MUITO OBRIGADO !!