

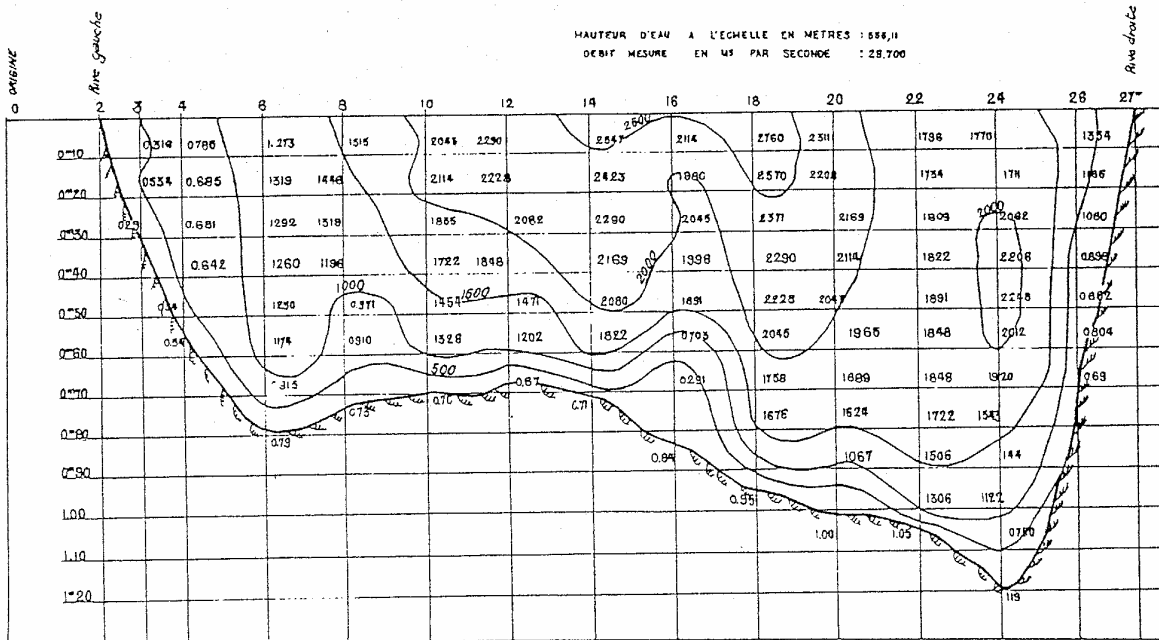
RIVIERE La GARONNE

Station de jaugeage de plan d'arem

COURBES D'EGALES VITESSES

NOTA
les diverses vitesses mesurées sont indiquées en mètres par seconde

résultant des mesures effectuées le 6-8 1944
JAUGEAGE N°6

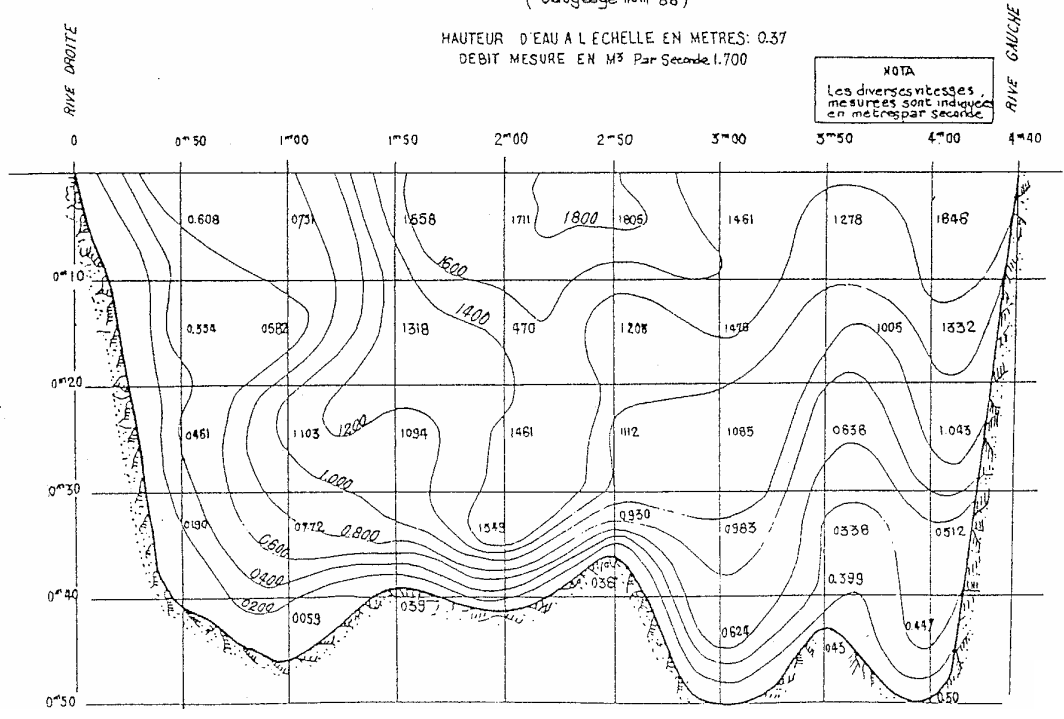


RIVIERE du NABRE

Station de jaugeage de Merens

COURBES D'EGALES VITESSES

résultant des mesures effectuées 13.5.1943
(Jaugeage num 88)



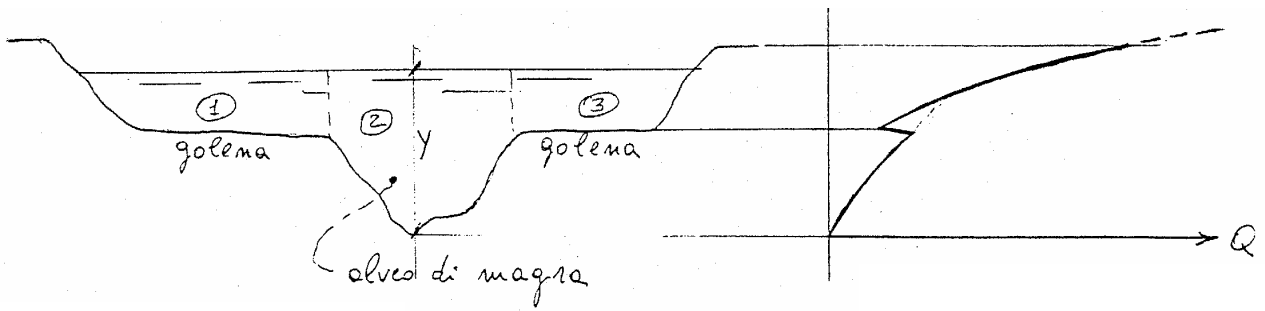


Fig. 1.23

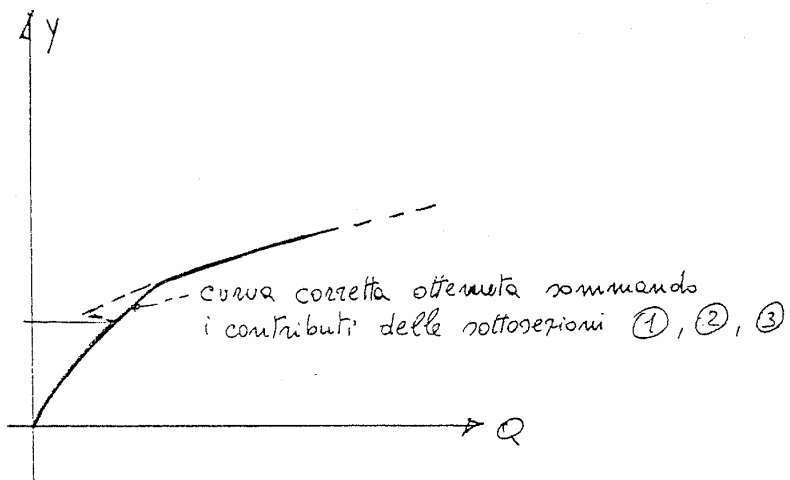


Fig. 1.24

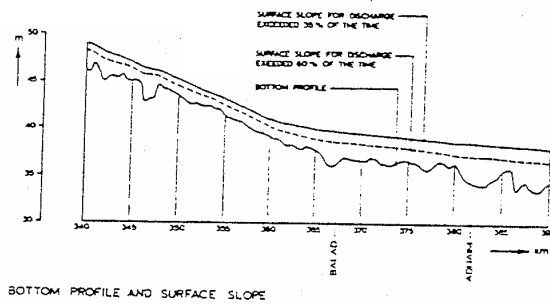


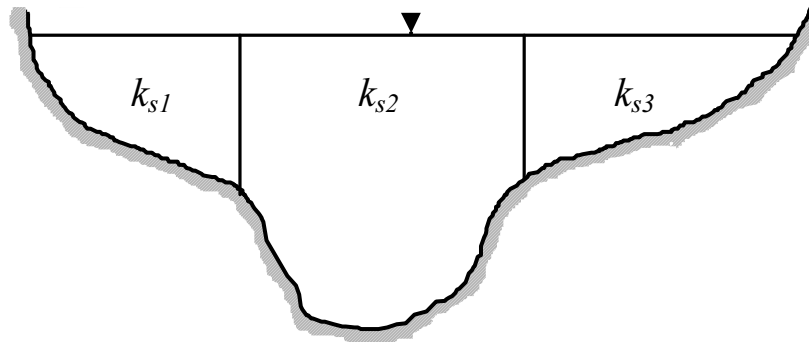
Fig. 1.25

Calcolo della capacità di portata per gli alvei naturali

Le formule di moto uniforme vengono di solito espresse nella forma

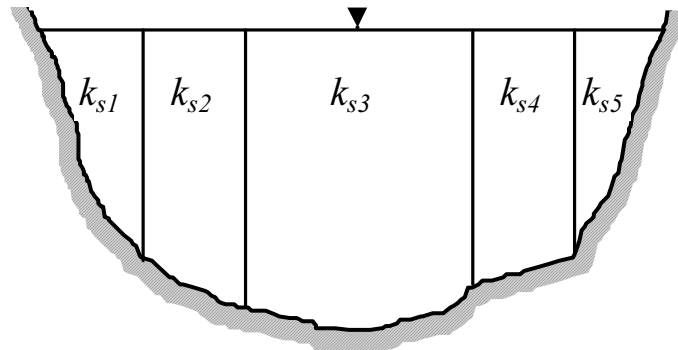
$$Q = K \sqrt{i_0}, \quad (K: \text{capacità di portata})$$

Parzializzazione delle sezioni composite



$$Q = \sum_i Q_i = \sum_i k_{si} R_i^{\frac{2}{3}} A_i i_0^{\frac{1}{2}} = K i_0^{\frac{1}{2}}, \quad K = \sum_i k_{si} R_i^{\frac{2}{3}} A_i$$

Parzializzazione delle sezioni compatte



Per le sezioni compatte si può introdurre un indice di scabrezza equivalente \bar{k}_s .

Assumendo infatti uniforme la velocità nella sezione si può scrivere:

$$\frac{U^{\frac{3}{2}}}{i_0^{\frac{3}{4}}} = \bar{k}_s^{\frac{3}{2}} \frac{A}{P} = k_{si}^{\frac{3}{2}} \frac{A_i}{P_i} \rightarrow \bar{k}_s^{\frac{3}{2}} \frac{A}{P} \frac{P_i}{k_{si}^{\frac{3}{2}}} = A_i \rightarrow \bar{k}_s = \left(\frac{P}{\sum_i \frac{P_i}{(k_{si})^{3/2}}} \right)^{\frac{2}{3}}$$

$$Q = K i_0^{\frac{1}{2}}, \quad K = \bar{k}_s A R^{\frac{2}{3}}$$

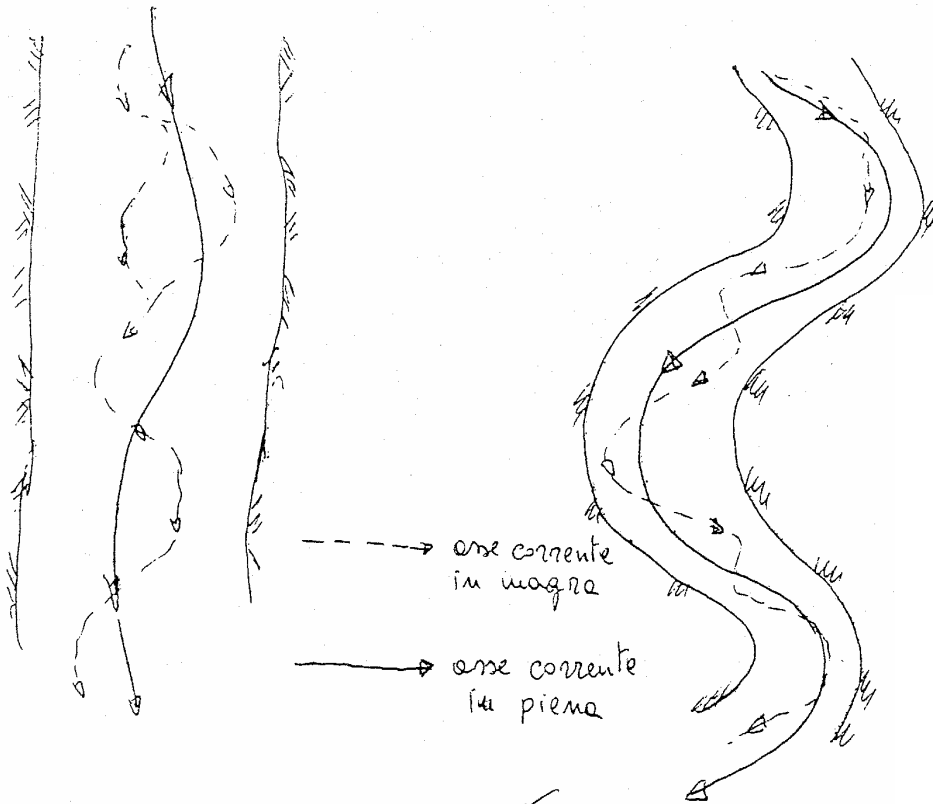


Fig. 1.25

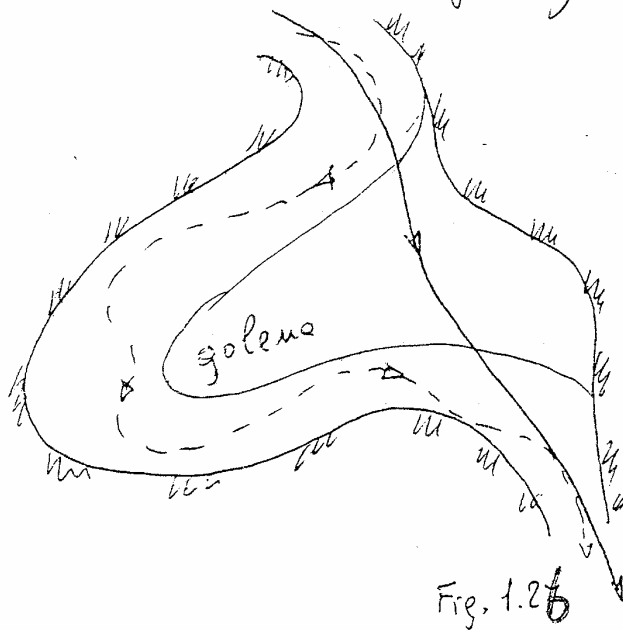


Fig. 1.26

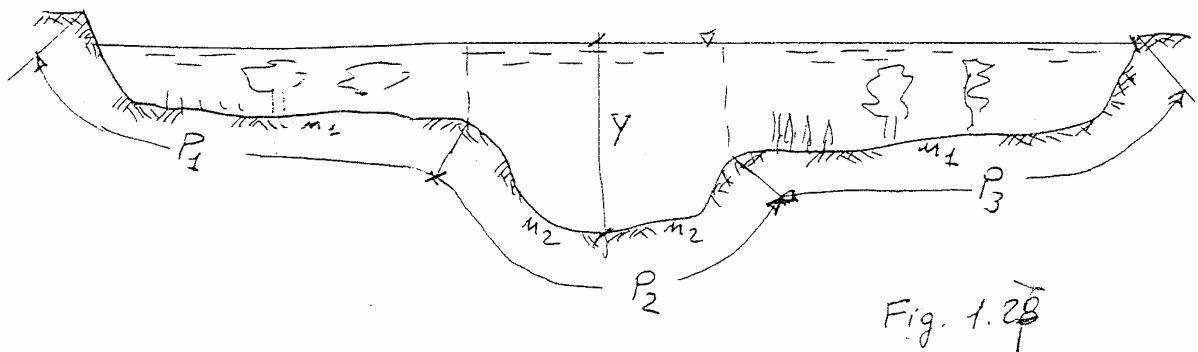


Fig. 1.28

