SB/L02 02/12

Ex 5.3

$Q = 20\ m^3/s$; $S_o = 1$ in 1000; $n = 0.025$

Trapezoidal

Practical rigid-boundary channel section

Ex. 5.4

a

b

c [unlikely]

Ex. 5.5

Table 5.3, given

$$AR^{2/3} = \frac{[(b+mh)h]^{5/3}}{(b+2\sqrt{1+m^2}h)^{2/3}}$$

$A = (b+mh)h$

$\left(\frac{A}{P}\right)^{2/3} = \left[\frac{(b+mh)h}{b+2\sqrt{1+m^2}h}\right]^{\cdots}$