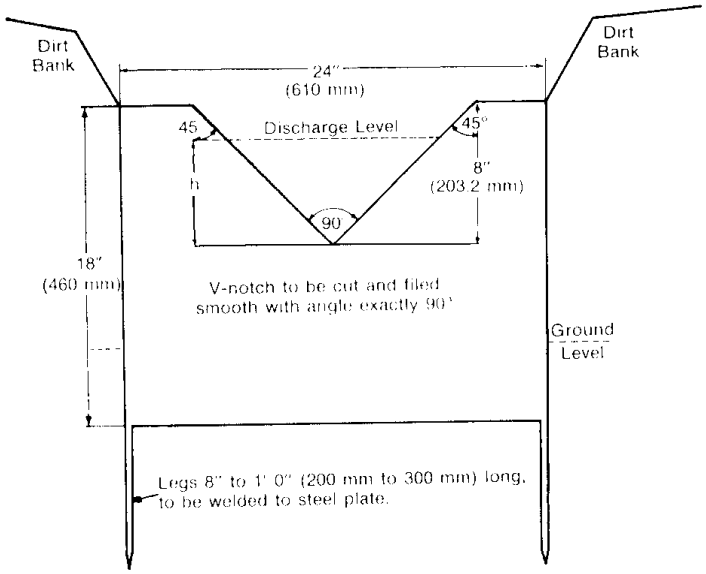
Estimating Flow rates: V-Notch Weirs

Modified from Berkman, DA. 1976: *Field geologists' manual.* Australasian Inst. Mining & Metallurgy. Parkville.

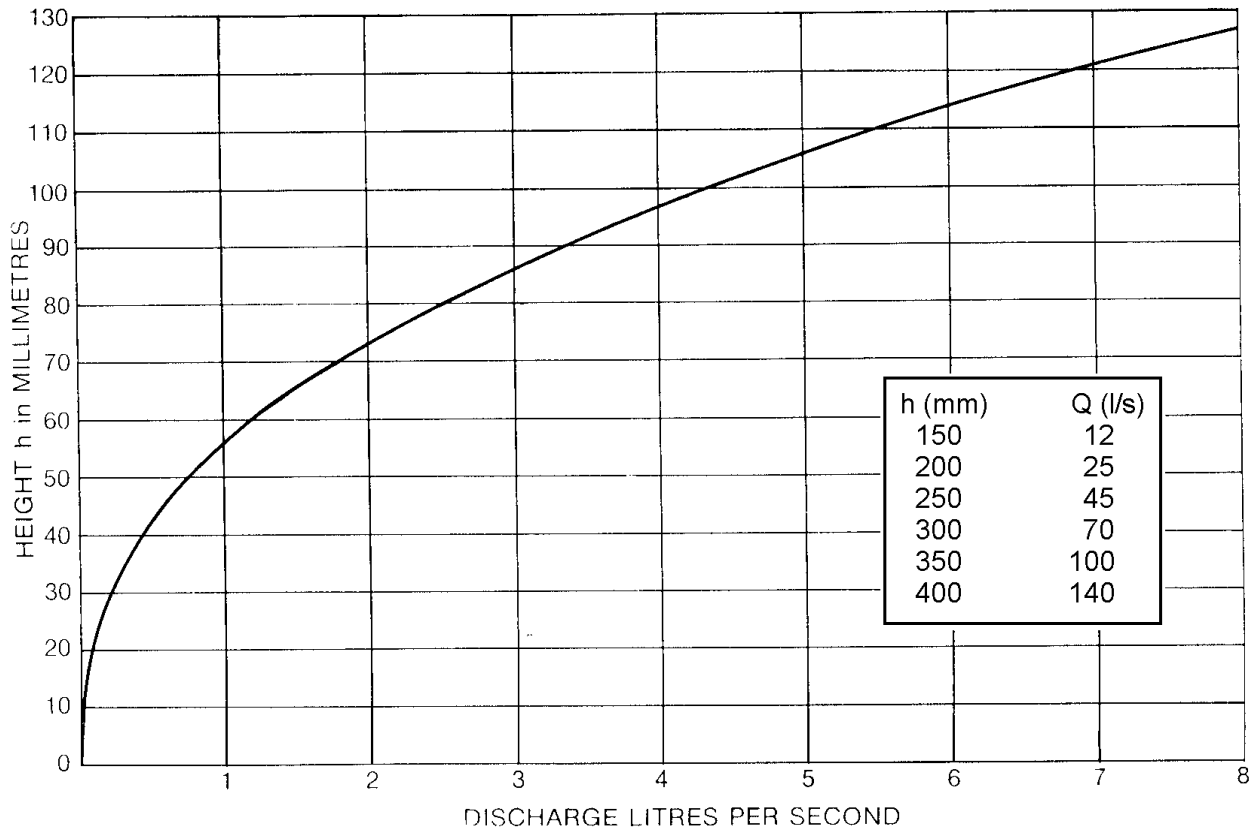
8.1.9. V—NOTCH WEIRS

1. Construction



To be constructed of 3/16″ or ¼″ (5 mm) steel plate, driven 3″–6″ (8 cm–15 cm) into ground and surrounded by dirt banks so that no leakage occurs.

2. Graph showing discharge versus height h for V-notch weirs



Flow (Q) in gallons per minute Q 0.949 $h^{2.5}$ where h is in feet
Flow (Q) in litres per second Q 1.397 x 1000 × $h^{2.5}$ where h is in metres