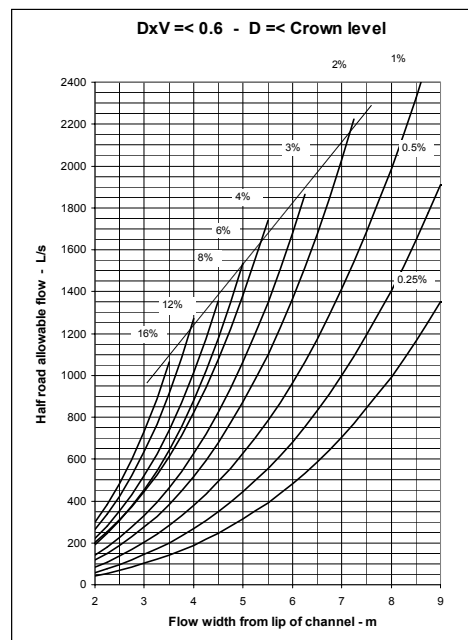
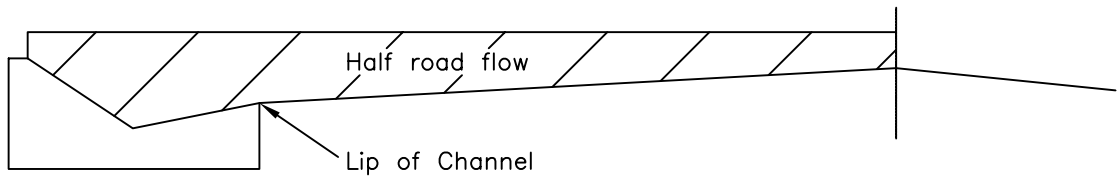


Roadflow

Qudm ALLOWABLE ROADWAY FLOWS

FLOW CHARTS



Max Q

Roadflow

Qudm ALLOWABLE ROADWAY FLOWS

Flow charts

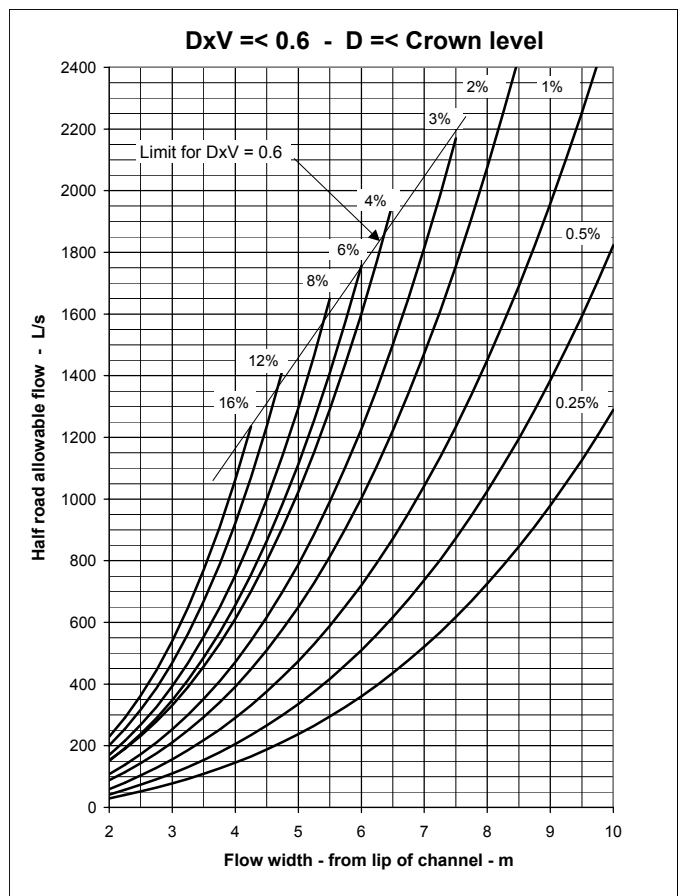
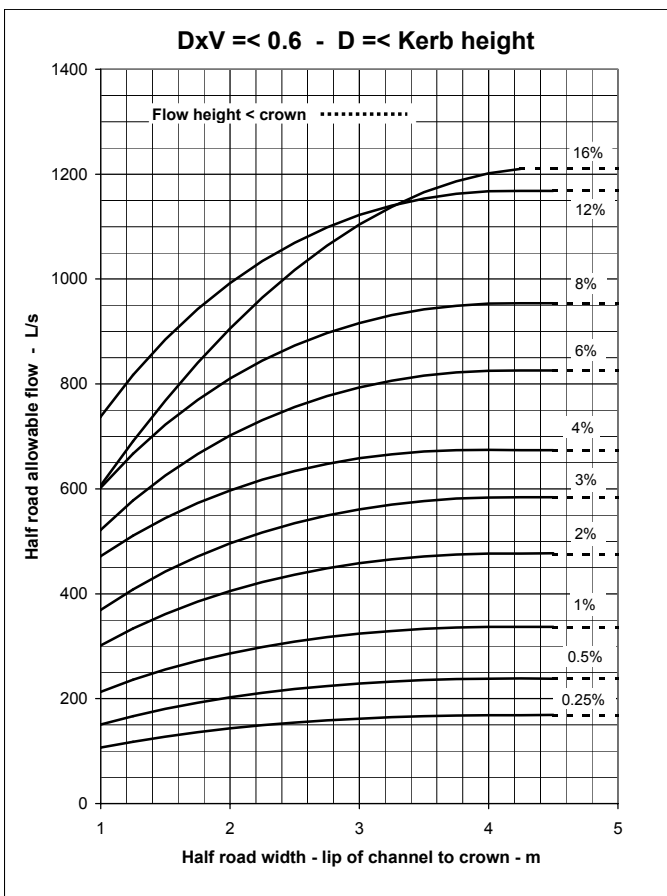
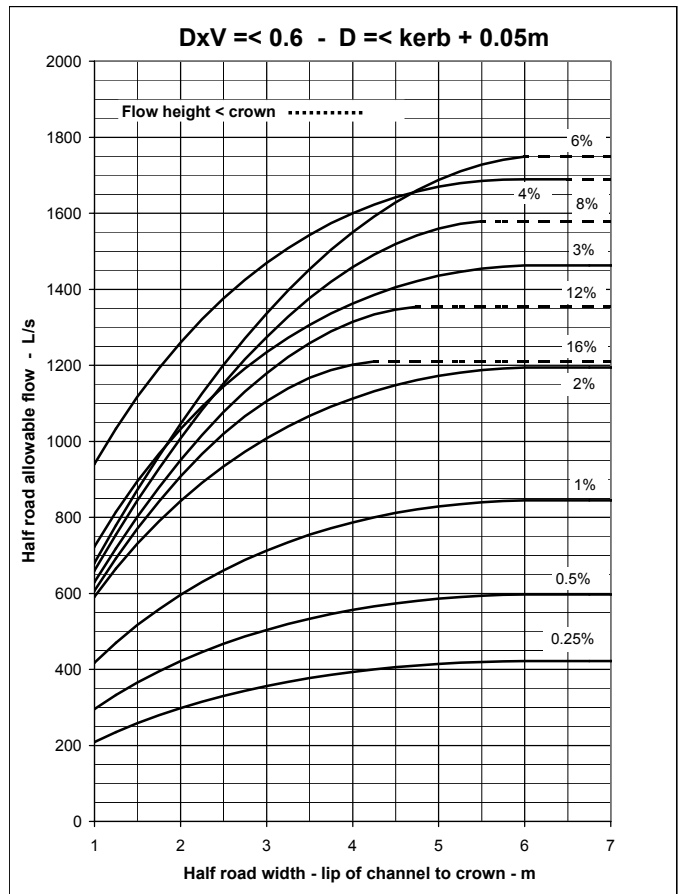
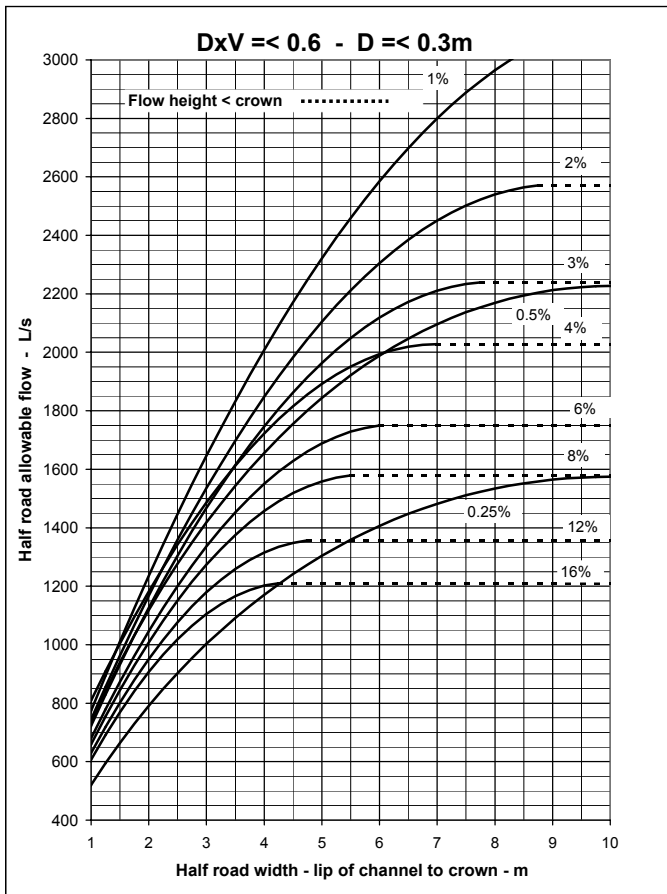
The charts allow assessment of allowable roadway flows, in drainage system design, for criteria stipulated in *Qudm, the Queensland Urban Drainage Manual*.

Criteria

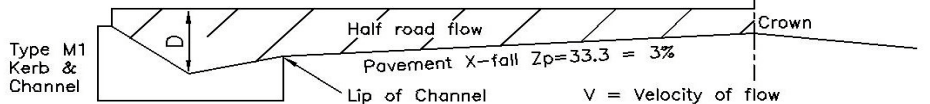
Calculations are based on the Izzard Equation for flow in a triangular channel and the manual includes an explanation of the derivation of this equation and how it is used for calculation of allowable flows.

Interactive design aid

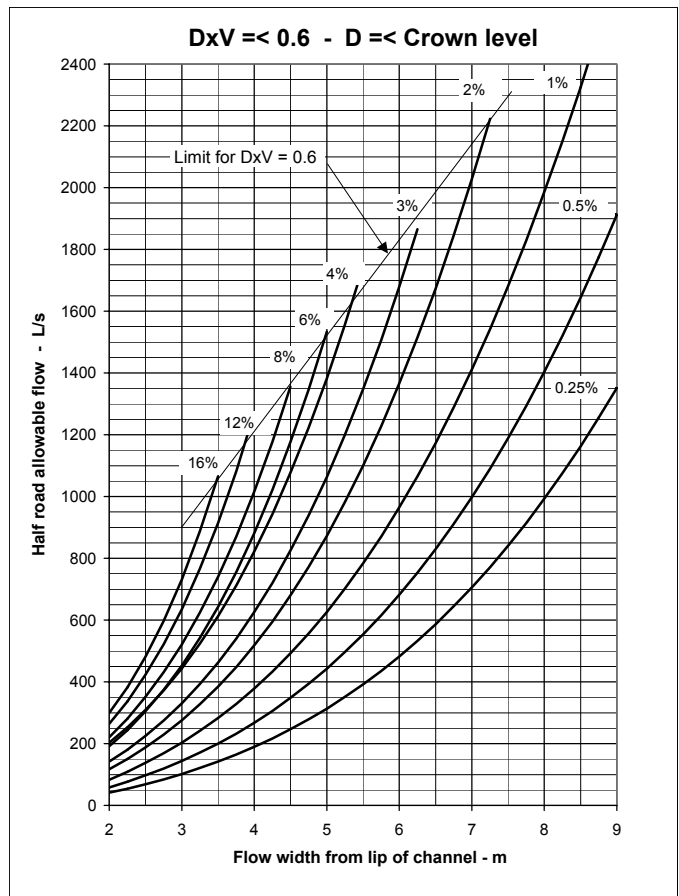
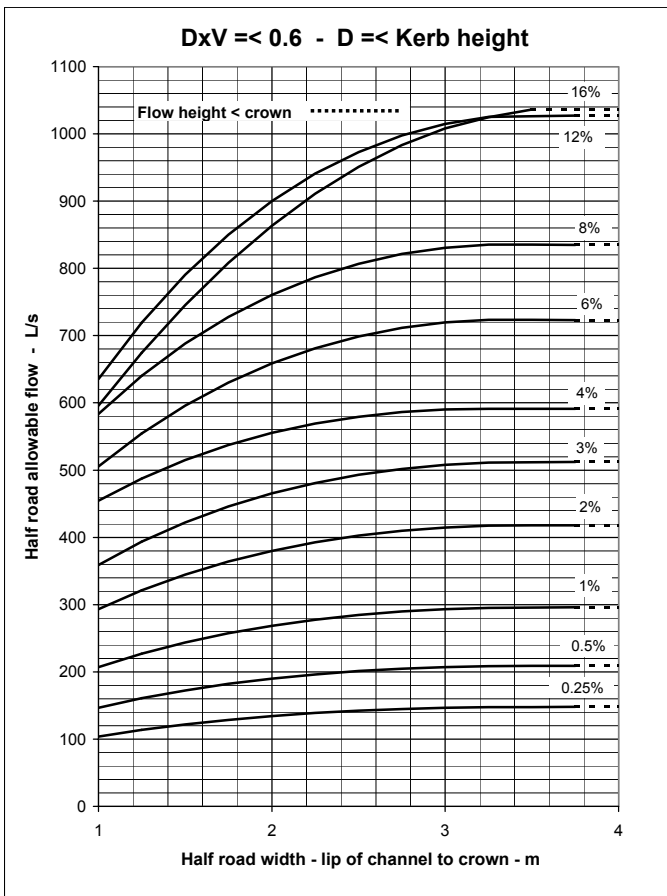
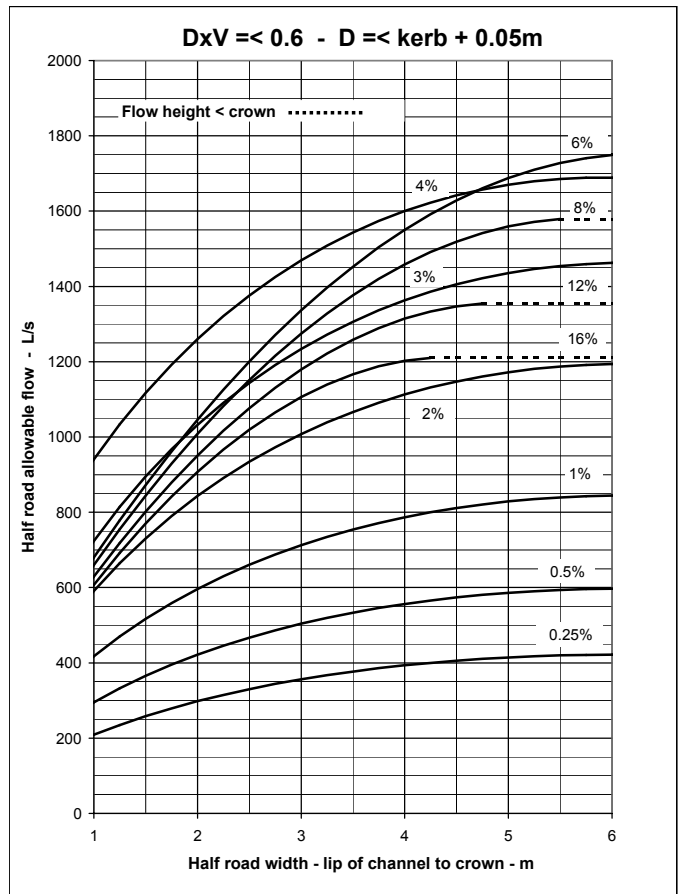
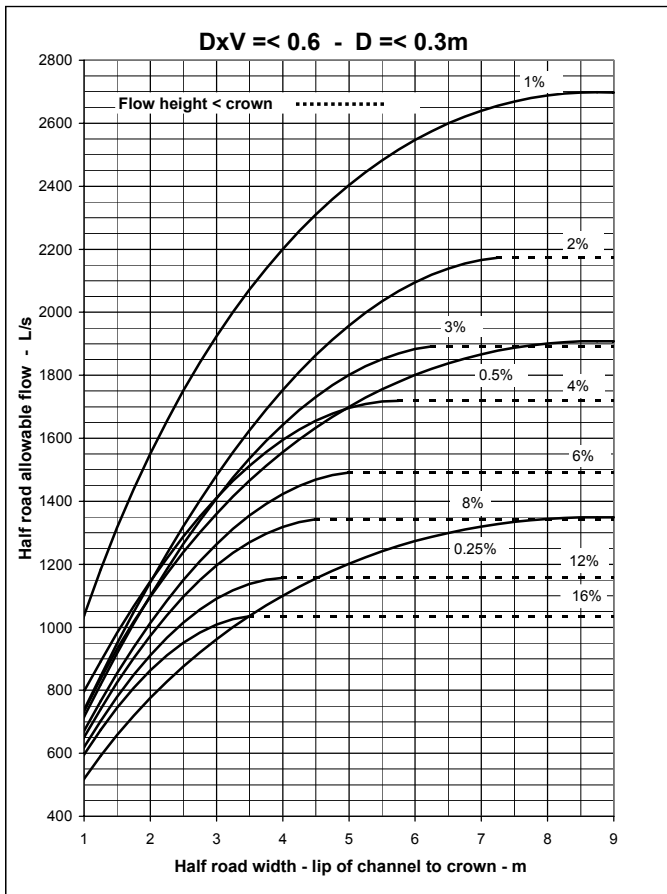
An interactive design aid that allows calculation of flows for many conditions outside the scope of this manual is available for download from maxq.com.au.



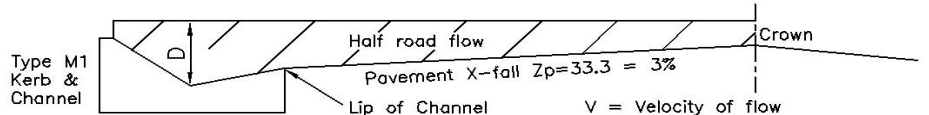
Flows from the Qudm Izzard equation,
 $Q = F \times 0.375 \times Z/n \times D^{8/3} \times S^{1/2}$.
 F = form factor = 0.9
 S = slope, shown grade % in charts.
 Kerb and channel - n = 0.013
 Pavement - n = 0.015



2.5% PAVEMENT CROSSFALL Qudm ALLOWABLE ROADWAY FLOWS



Flows from the Qudm Izzard equation,
 $Q = F \times 0.375 \times Z/n \times D^{5/3} \times S^{1/2}$.
 F = form factor = 0.9
 S = slope, shown grade % in charts.
 Kerb and channel - n = 0.013
 Pavement - n = 0.015



3% PAVEMENT CROSSFALL Qudm ALLOWABLE ROADWAY FLOWS

CHART R2