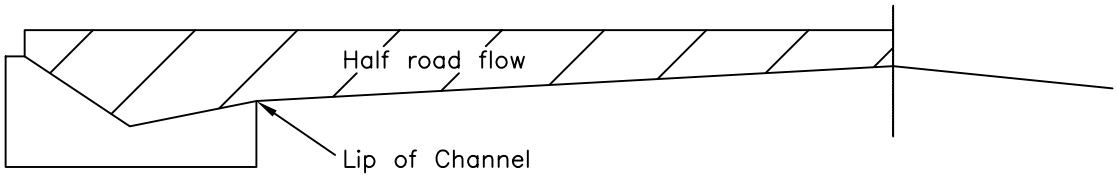
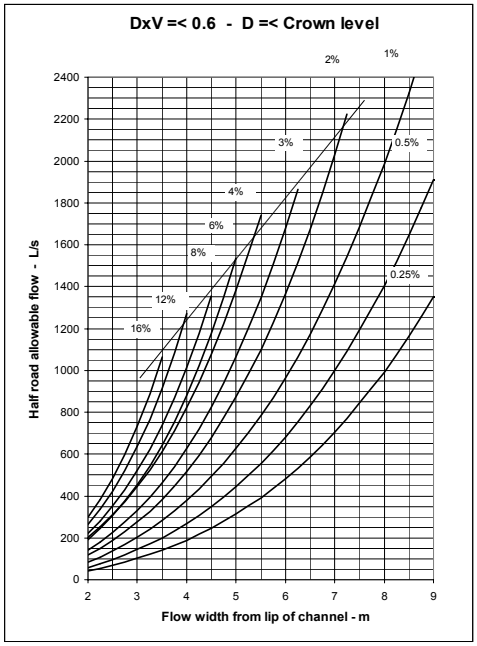
Roadflow

Qudm ALLOWABLE ROADWAY FLOWS

FLOW CHARTS





Max Q

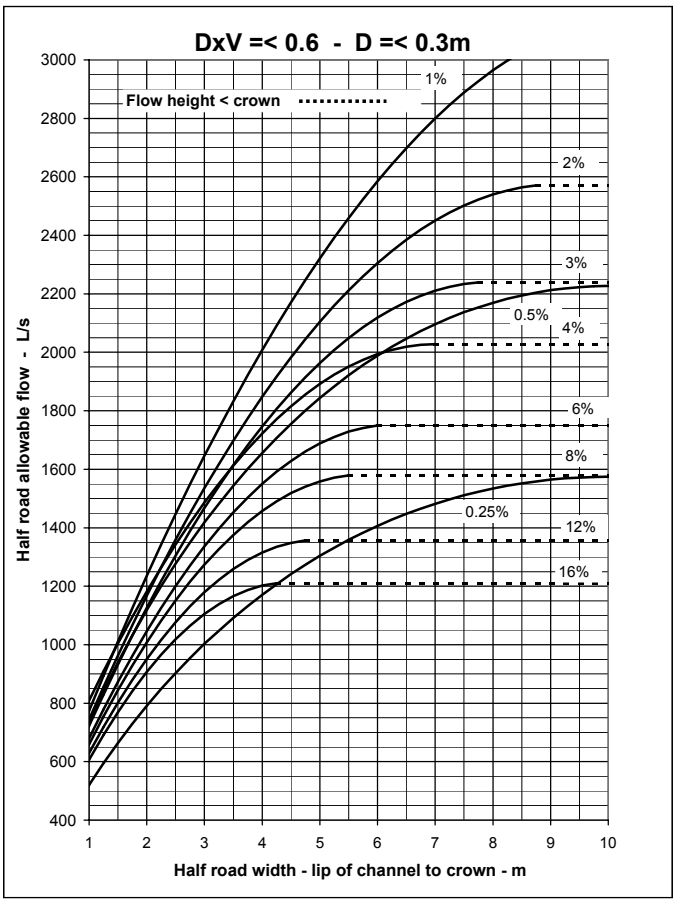
Roadflow

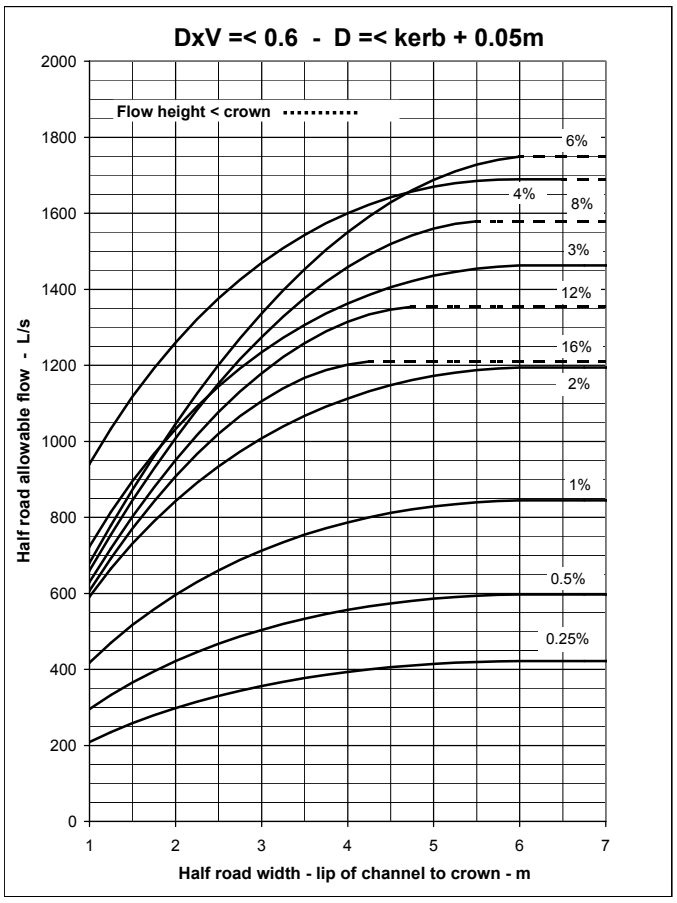
Qudm ALLOWABLE ROADWAY FLOWS

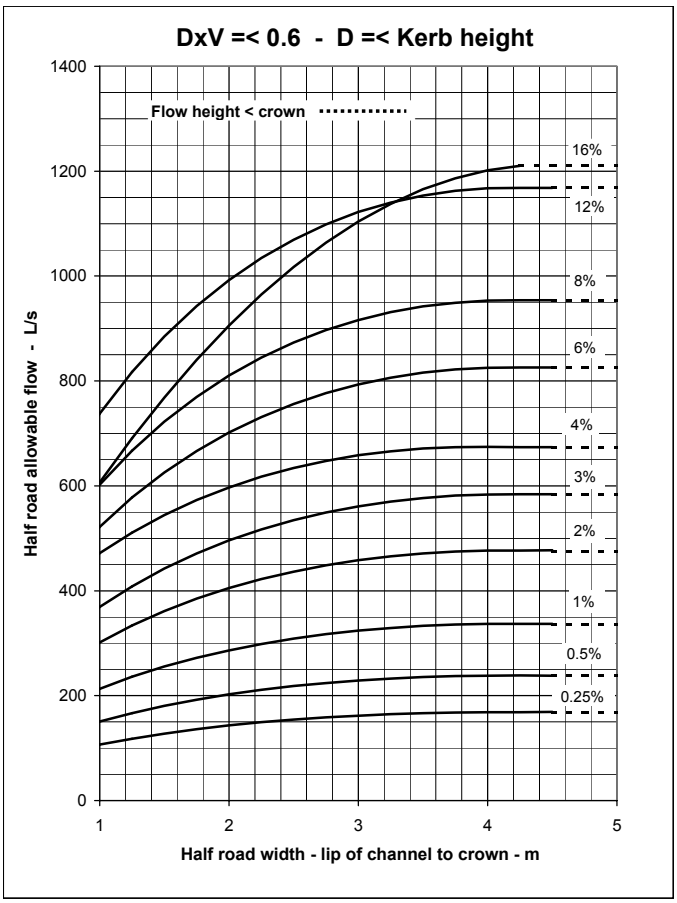
Flow charts
The charts allow assessment of allowable roadway flows, in drainage system design, for criteria stipulated in *Qudm, the Queensland Urban Drainage Manual.*

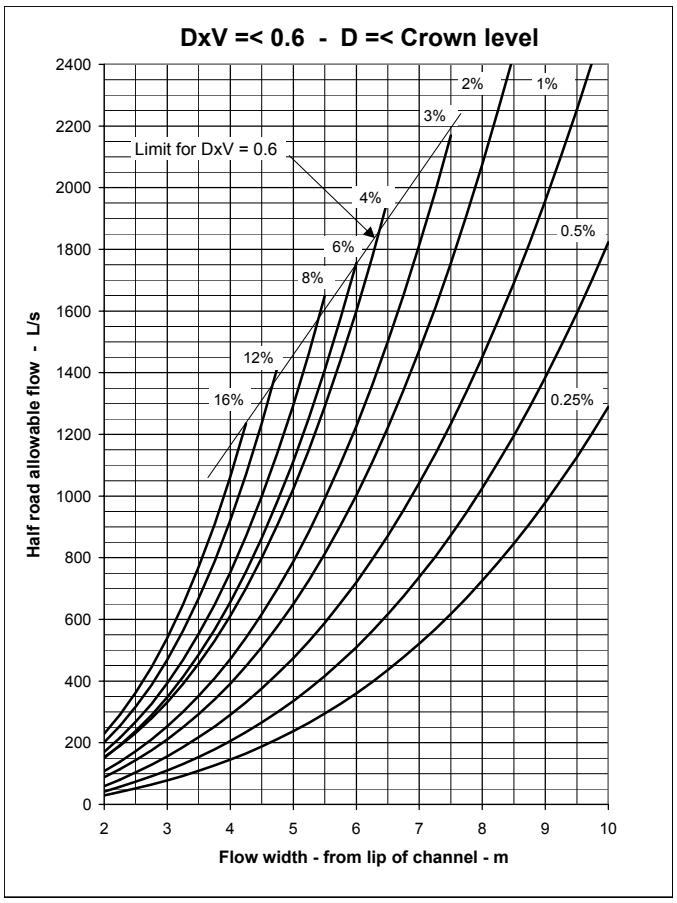
Criteria
Calculations are based on the Izzard Equation for flow in a triangular channel and the manual includes an explanation of the derivation of this equation and how it is used for calculation of allowable flows.

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.

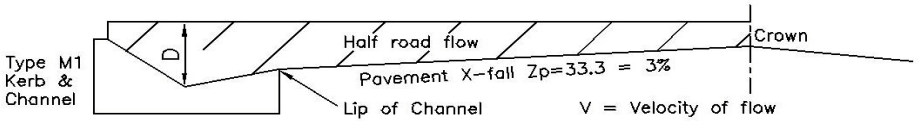








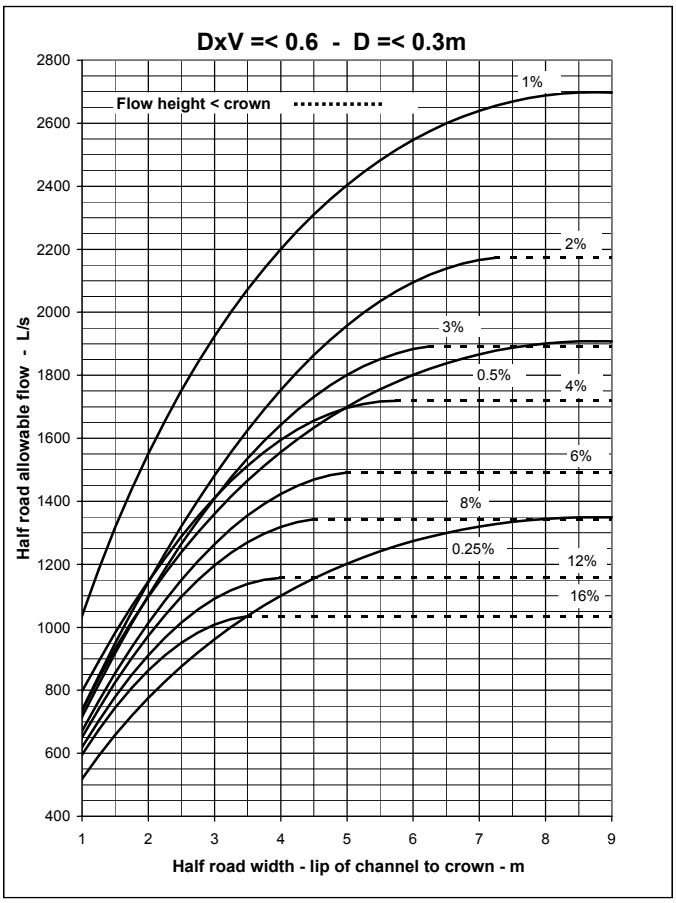
Flows from the Qudm Izzard equation,
Q = F x 0.375 x Z/n x D8/3 x S1/2.
F = form factor = 0.9
S = slope, shown grade % in charts.
Kerb and channel – n = 0.013
Pavement – n = 0.015

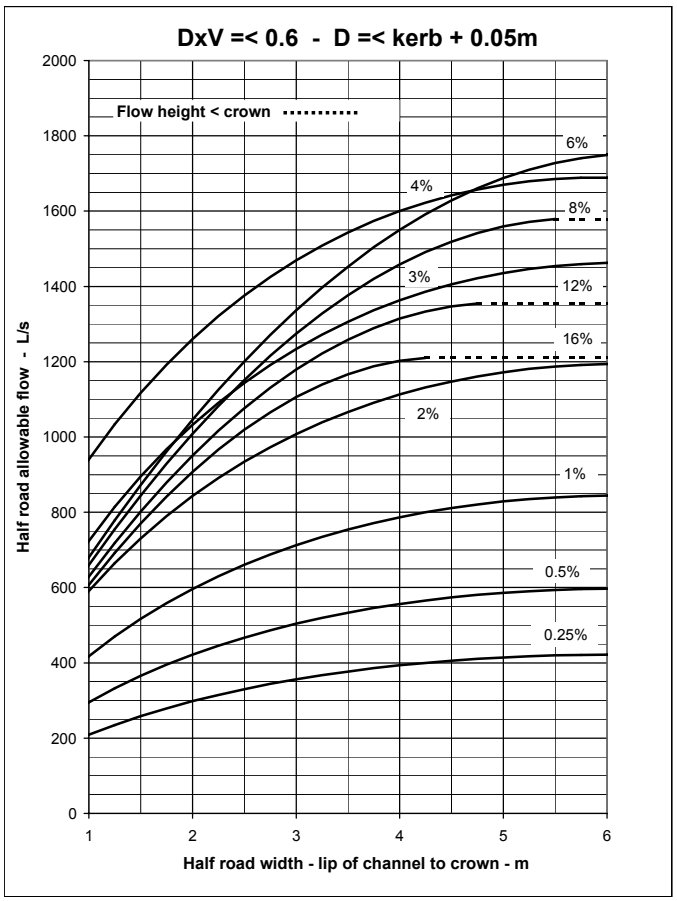


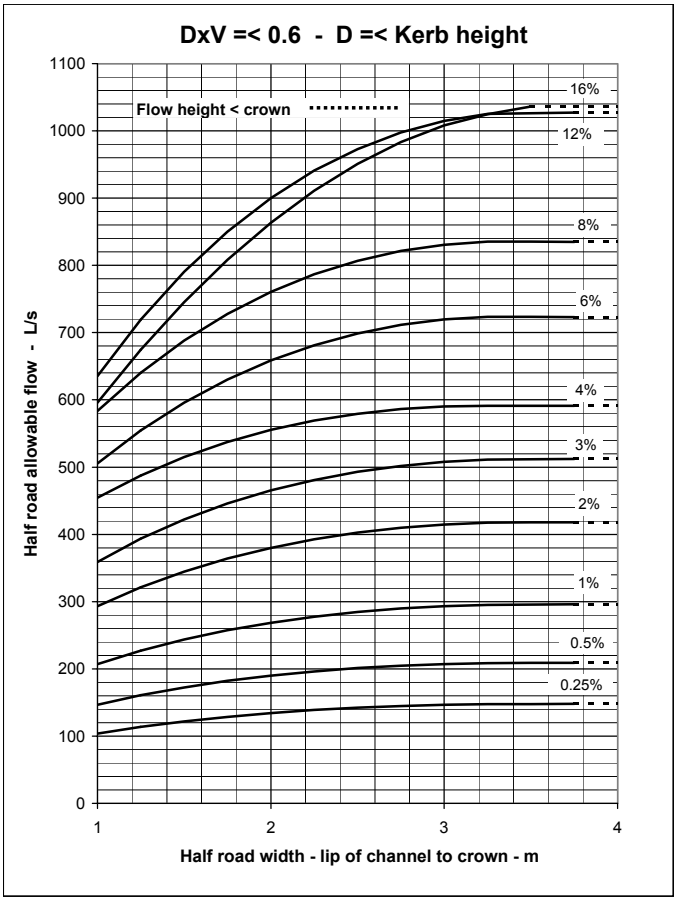
2.5% PAVEMENT CROSSFALL
Qudm ALLOWABLE ROADWAY FLOWS

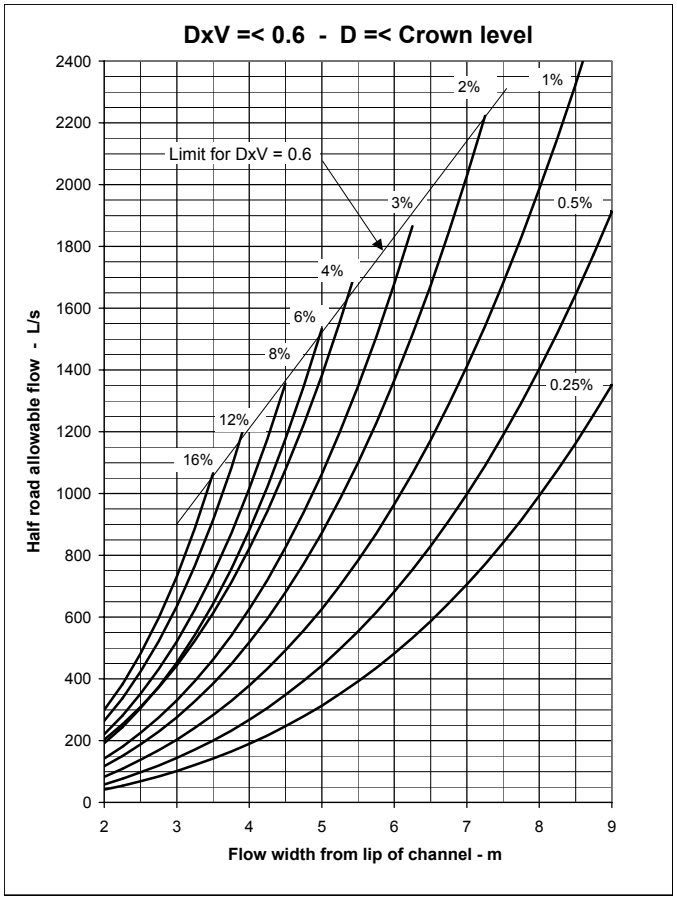
14-Aug-08 15:06:10

CHART R1









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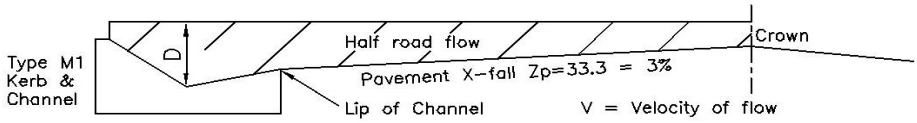

3% PAVEMENT CROSSFALL
Qudm ALLOWABLE ROADWAY FLOWS

9-May-08 10:58:46

CHART R2