BF 80540 Local Road Over Clouston Creek
Hydrotechnical Summary

Channel Capacity :

S = 0.0035
B = 5 m, h = 3 m, T_h = 12 m.
Use n = 0.045

At Bank Height : Y = 3.0 m, V = 1.9 m/s, Q = 50 cms
At Channel Capacity : Y = 4.0 m, V = 2.6 m/s, Q = 100 cms

Historical Highwater Data :

There are no HW observations at this site.

There are no WSC gauges on this stream. Gauges in the area suggest HW events in June 1990 and July 1983. There are no storms in the database that exceed 100mm of rainfall.

Basin Runoff Potential :

d = 60 mm, T_p = 20 hrs, q = 0.83 cms/km^2.
Gross DA = 293 km^2.
Q_p = 240 cms.

Conclusion :

The channel capacity estimate is consistent with historic observations and is within the basin runoff potential.

Recommended parameters : Y = 4.0 m, V = 2.6 m/s, Q = 100 cms.