BF 82108 Local Road Over Hotchkiss River Tributary
Hydrotechnical Summary

Channel Capacity :

S = 0.007
B = 2 m, h = 1.0 m, T_h = 4 m
Use n = 0.055

At Bank Height : Y = 1.0 m, V = 1.1 m/s, Q = 3 cms
At Channel Capacity : Y = 1.5 m, V = 1.6 m/s, Q = 8 cms

Historical Highwater Data :

There are no HW observations for this site.

There are no WSC gauges on this stream. Gauges in the area report HW events in April 1979, June 1990, and April 1997. There are no storms in the storm database exceeding 100mm for this area.

Basin Runoff Potential :

d = 40mm, T_p = 20hrs, q = 0.55 cms/km^2.
Gross DA = 13 km^2.
Q_p = 7 cms.

Conclusion :

The channel capacity estimate is consistent with the historic information and is close to the basin runoff potential.

Recommended parameters : Y = 1.5 m, V = 1.6 m/s, Q = 8 cms.