BF 79415 Local Road Over Gold River Tributary
Hydrotechnical Summary

Channel Capacity :

S = 0.0015
B = 4 m, h = 1.5 m, T_h = 7 m
Use n = 0.045

At Bank Height : Y = 1.5 m, V = 0.9 m/s, Q = 7 cms
At Channel Capacity : Y = 2.3 m, V = 1.3 m/s, Q = 17 cms

Historical Highwater Data :

There are no HW observations for this site.

There are no WSC gauges on this stream. Gauges in the area suggest HW events in April 1974, July 1983, May 1985, and June 1997. The largest storms in the storm database are 125mm in June 1970, and about 95mm in July 1983 and August 1996.

Basin Runoff Potential :

d = 40mm, T_p = 20hrs, q = 0.55 cms/km^2.
Gross DA = 61km^2.
Q_p = 34 cms.

Conclusion :

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

Recommended parameters : Y = 2.3 m, V = 1.3 m/s, Q = 17 cms.