BF 72795 Local Road Over Jack Ck Tributary
Hydrotechnical Summary

Channel Capacity :

S = 0.008
B = 1 m, h = 1.0 m, T_h = 2 m
Use n = 0.055

At Bank Height : Y = 1.0 m, V = 1.0 m/s, Q = 1 cms
At Channel Capacity : Y = 1.5 m, V = 1.6 m/s, Q = 4 cms

Historical Highwater Data :

A 1982 design note makes reference to a possible washout at this site in 1979.

There are no WSC gauges on this stream. Gauges in the area suggest HW events in April 1974, April 1979, April 1984, June 1990, and April 1997. The largest events in the storm database are July 1987 and June 1988 with 100mm of rainfall.

Basin Runoff Potential :

d = 50mm, T_p = 20 hrs, q = 0.7 cms/km^2.
Gross DA = 8 km^2.
Q_p = 6 cms.

Conclusion :

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

Recommended parameters : Y = 1.5 m, V = 1.6 m/s, Q = 4 cms.