BF 76482 Hwy 575 Over Ghostpine Ck Tributary
Hydrotechnical Summary

Channel Capacity :

S = 0.018
B = 1 m, h = 0.5 m, T_h = 2 m
Use n = 0.055

At Bank Height : Y = 0.5 m, V = 1.1 m/s, Q = 1 cms
At Channel Capacity : Y = 1.0 m, V = 2.1 m/s, Q = 4 cms

Historical Highwater Data :

A 1966 report estimates Q = 4cms. A 1998 BIM report notes a HWM with Y = 1.6m (slide d/s blocking flow).

There are no WSC gauges on this stream. Gauges in the area suggest HW events in April 1969, 1971, 1974, 1996, and 1997. There are no storms in the storm database that have rainfall exceeding 100mm for this area.

Basin Runoff Potential :

d = 35mm, T_p = 40hrs, q = 0.25 cms/km^2.
Gross DA = 5 km^2.
Q_p = 1 - 2 cms.

Conclusion :

Basin runoff potential governs for this site.

Recommended parameters : Y = 0.8 m, V = 1.8 m/s, Q = 2 cms.