BF 72836 Hwy 1 Over Crowfoot Creek Tributary
Hydrotechnical Summary

Channel Capacity :

S = 0.007
B = 1.5 m, h = 1.0 m, T_h = 3 m
Use n = 0.055

At Bank Height : Y = 1.0 m, V = 1.0 m/s, Q = 2 cms
At Channel Capacity : Y = 1.5 m, V = 1.6 m/s, Q = 6 cms

Historical Highwater Data :

There are no HW observations for this site.

There are no gauges on this stream. Gauges in the area suggest large runoff events in April 1967, April 1971, and March 1997. The largest storm in the storm database is 125mm of rainfall in June 1942.

Basin Runoff Potential :

d = 35mm, T_p = 40hrs, q = 0.25 cms/km^2.
Gross DA = 13 km^2.
Q_p = 3 - 4 cms.

Conclusion :

Basin runoff potential governs for this site.

Recommended parameters : Y = 1.2 m, V = 1.3 m/s, Q = 4 cms.