BF 75720 Hwy 58 Over Peace River Tributary
Hydrotechnical Summary

Channel Capacity :

S = 0.009
B = 2.5 m, h = 1.0 m, T_h = 5 m
Use n = 0.06

At Bank Height : Y = 1.0 m, V = 1.2 m/s, Q = 5 cms
At Channel Capacity : Y = 1.5 m, V = 1.7 m/s, Q = 12 cms

Historical Highwater Data :

There are no highwater observations on file. Icing and beaver dams have been issues.

There are no WSC Gauges on this stream. Gauges in the area suggest HW events in August 1984, April 1987, June 1991, June 1996, and April 1997. The largest storm in the storm database is 135mm of rainfall in June 1998.

Basin Runoff Potential :

d = 40 mm, T_p = 20 hrs, q = 0.55 cms/km^2.
Gross DA = 40 km^2.
Q_p = 22 cms.

Conclusion :

The channel capacity estimate is within the basin runoff potential.

Recommended parameters : Y = 1.5 m, V = 1.7 m/s, Q = 12 cms.