BF 81168 Local Road Over Assineau River Tributary
Hydrotechnical Summary

Channel Capacity :

S = 0.008
B = 3 m, h = 1.5m, T_h = 5 m
Use n = 0.05

At Bank Height : Y = 1.5 m, V = 1.7 m/s, Q = 10 cms
At Channel Capacity : Y = 2.3 m, V = 2.5 m/s, Q = 25 cms

Historical Highwater Data :

The 1998 BIM report notes HWM with Y = 2.5m. HW was noted at BF79290 u/s in June 1983. HW has been noted on The Assineau River d/s in 1961, 1971, 1983, 1988, and 1996.

There are no gauges on this stream. Gauges in the area suggest large runoff events in June 1983, July 1988, and June 1996. There are no storms in the storm database exceeding 100mm for this area.

Basin Runoff Potential :

d = 70mm, T_p = 20hrs, q = 1 cms/km^2.
Gross DA = 6 km^2.
Q_p = 6 cms.

Conclusion :

Basin runoff potential governs for this site. The 1998 BIM HW value was likely influenced by backwater from the Assineau River d/s.

Recommended parameters : Y = 1.2 m, V = 1.5 m/s, Q = 6 cms.