BF 72502 Local Road Over Notikewin River Tributary
Hydrotechnical Summary

Channel Capacity :

S = 0.005
B = 3 m, h = 1.2 m, T_h = 6 m
Use n = 0.05.

At Bank Height : Y = 1.2 m, V = 1.2 m/s, Q = 6 cms
At Channel Capacity : Y = 1.8 m, V = 1.8 m/s, Q = 15 cms

Historical Highwater Data :

HW was noted in 1964 with Y = 0.9m at the inlet. A 1954 report estimates Q = 6cms. A 1958 report notes a HWM with Y = 1.2m and estimates Q = 7 – 9cms. A 1959 report notes a HWM with Y = 1.8m and estimates Q = 9cms. A 1990 BIM report notes a HWM with Y = 1m.

There are no WSC gauges on this stream. Gauges in the area report HW events in April 1979, June 1990, and April 1997. There are no storms in the storm database that have rainfall exceeding 100mm for this area.

Basin Runoff Potential :

d = 40mm, T_p = 20hrs, q = 0.55 cms/km^2.
Gross DA = 31 km^2.
Q_p = 17 cms.

Conclusion :

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

Recommended parameters : Y = 1.8 m, V = 1.8 m/s, Q = 15 cms.