BF 76516 Hwy 676 Over Little Puskwaskau Ck
Hydrotechnical Summary

Channel Capacity :

S = 0.0035
B = 4 m, h = 2.0 m, T_h = 9 m
Use n = 0.045

At Bank Height : Y = 2.0 m, V = 1.5 m/s, Q = 20 cms
At Channel Capacity : Y = 3.0 m, V = 2.3 m/s, Q = 50 cms

Historical Highwater Data :

A 1966 report notes a HWM with Y = 3m and estimates Q = 36cms. A 1996 inspection notes a HWM with Y = 1.9m. A 2001 assessment estimates Y = 1.9m and Q = 43cms.

There are no WSC Gauges on this stream. Gauges in the area suggest HW events in April 1974, August 1976, and April 1997. The largest storms in the storm database are about 150mm of rainfall in June 1990, 120mm in August 1982, and 100mm in June 1965.

Basin Runoff Potential :

d = 60 mm, T_p = 20 hrs, q = 0.85 cms/km^2.
Gross DA = 80 km^2.
Q_p = 70 cms.

Conclusion :

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

Recommended parameters : Y = 3.0 m, V = 2.3 m/s, Q = 50 cms.