BF 78244 Hwy 734 Over Joyce Ck
Hydrotechnical Summary

Channel Capacity :

S = 0.007
B = 7 m, h = 1.4 m, T_h = 10 m
Use n = 0.04

At Bank Height : Y = 1.4 m, V = 2.2 m/s, Q = 26 cms
At Channel Capacity : Y = 2.1 m, V = 3.1 m/s, Q = 60 cms

Historical Highwater Data :

HWM is noted in the 1975 report (Y = 1.1m).

There are no WSC gauges on this stream. Gauges in the area suggest HW events in June 1972, June 1980, July 1982, July 1986, and July 1999. The largest storms in the database for this area are July 1981 with 140mm of rainfall, June 1972 with 120mm, and August 1925, June 1952, and June 1970 with 105mm.

Basin Runoff Potential :

d = 80 mm, T_p = 20 hrs, q = 1.1 cms/km^2
Gross DA = 65 km^2.
Q_p = 70 cms.

Conclusion :

Basin runoff potential governs for this site and is consistent with historic information.

Recommended parameters : Y = 2.1 m, V = 3.1 m/s, Q = 60 cms.