BF 72008 Hwy 784 Over Bread Ck
Hydrotechnical Summary

Channel Capacity :

S = 0.006
B = 3 m, h = 1.5 m, T_h = 7 m
Use n = 0.055

At Bank Height : Y = 1.5 m, V = 1.3 m/s, Q = 10 cms
At Channel Capacity : Y = 2.3 m, V = 2.0 m/s, Q = 25 cms

Historical Highwater Data :

HW was observed in 2005 with the road being partially washed out (estimated Y~3.5m).

There are no WSC gauges on this stream. Gauges in the area suggest large runoff events in June 1965, June 1990 and June 1972. The storm database reports large events in June 1970 (120mm) and June 1928 (105mm).

Basin Runoff Potential :

d = 80mm, T_p = 20hrs, q = 1.11 cms/km^2.
Gross DA = 40 km^2.
Q_p = 45 cms.

Conclusion :

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

Recommended parameters : Y = 2.3 m, V = 2.0 m/s, Q = 25 cms.