BF 07861 Hwy 849 Over Michichi Ck Tributary
Hydrotechnical Summary

Channel Capacity :

S = 0.005
B = 1.5 m, h = 0.7 m, T_h = 3 m
Use n = 0.055

At Bank Height : Y = 0.7 m, V = 0.7 m/s, Q = 1 cms
At Channel Capacity : Y = 1.2 m, V = 1.2 m/s, Q = 4 cms

Historical Highwater Data :

A 1958 report notes a HWM with Y = 1.2m and estimates Q = 5cms.

There are no WSC gauges on this stream. Gauges in the area suggest runoff events in April 1971, April 1974, April 1985, and March 1997. The storm database indicates no storms in excess of 100mm of rainfall for this area.

Basin Runoff Potential :

d = 35mm, T_p = 40hrs, q = 0.25 cms/km^2.
Gross DA = 13 km^2.
Q_p = 3 - 4 cms.

Conclusion :

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

Recommended parameters : Y = 1.2 m, V = 1.2 m/s, Q = 4 cms.