BF 76103 Hwy 680 Over Blueberry Ck
Hydrotechnical Summary

Channel Capacity :

S = 0.002
B = 3 m, h = 1.6 m, T_h = 7 m
Use n = 0.045

At Bank Height : Y = 1.6 m, V = 1.0 m/s, Q = 8 cms
At Channel Capacity : Y = 2.4 m, V = 1.5 m/s, Q = 20 cms

Historical Highwater Data :

HW was noted in May 1977 (Y ~ 1.2m, rainfall response). Recent assessments have been based on Q = 25cms. This site is part of an AENV drainage improvement scheme.

There are no WSC Gauges on this stream. Gauges in the area suggest HW events in June 1968, April 1974, June 1990, and April 1997. The largest storm in the storm database are about 110mm of rainfall in June 1990.

Basin Runoff Potential :

d = 60 mm, T_p = 20 hrs, q = 0.85 cms/km^2.
Gross DA = 55 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 = 2.4 m, V = 1.5 m/s, Q = 20 cms.