BF 70610 Hwy 13 Over Washout Ck Tributary
Hydrotechnical Summary

Channel Capacity :

S = 0.014
B = 1 m, h = 1m, T_h = 2m.
Use n = 0.055

At Bank Height : Y = 1.0 m, V = 1.3 m/s, Q = 2 cms
At Channel Capacity : Y = 1.5 m, V = 2.1 m/s, Q = 5 cms

Historical Highwater Data :

HW was noted in April 1987 with water 0.4m above the u/s crown of a 1.2m pipe.

There are no WSC gauges on this stream. Gauges in the area suggest runoff events in July 1982, July 1986, July 1990, and July 1999. The storm database indicates 145mm of rainfall in July 1982, and about 115mm in August 1989 and July 1990.

Basin Runoff Potential :

d = 60mm, T_p = 20hrs, q = 0.83cms/km^2.
Gross DA = 5km^2.
Q_p = 4cms.

Conclusion :

Basin runoff potential governs for this site.

Recommended parameters : Y = 1.3 m, V = 1.8 m/s, Q = 4 cms