BF 77571 Hwy 734 Over Wigwam Ck
Hydrotechnical Summary

Channel Capacity :

S = 0.012
B = 6 m, h = 1.2 m, T_h = 10 m
Use n = 0.05

At Bank Height : Y = 1.2 m, V = 2.0 m/s, Q = 20 cms
At Channel Capacity : Y = 1.8 m, V = 2.9 m/s, Q = 45 cms

Historical Highwater Data :

A 1975 report notes a HWM with Y = 0.9m.

There are no WSC gauges on this stream. Gauges in the area suggest HW events in June 1970, May - June 1990, and June 1995. The largest storms in the database for this area are June 1970 with 125mm of rainfall, and June 1928 with 100mm.

Basin Runoff Potential :

d = 80 mm, T_p = 20 hrs, q = 1.1 cms/km^2
Gross DA = 36 km^2.
Q_p = 40 cms.

Conclusion :

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

Recommended parameters : Y = 1.7 m, V = 2.7 m/s, Q = 40 cms.