BF 70821 Hwy 733 Over Kakut Ck Tributary
Hydrotechnical Summary

Channel Capacity :

S = 0.02
B = 1 m, h = 0.6 m, T_h = 3 m
Use n = 0.055

At Bank Height : Y = 0.6 m, V = 1.3 m/s, Q = 1 cms
At Channel Capacity : Y = 1.1 m, V = 2.3 m/s, Q = 4 cms

Historical Highwater Data :

A 1955 report notes a HWN with Y = 1.3m. A 1956 report estimates Q = 4cms.

There are no gauges on this stream. Gauges in the area suggest large runoff events in June 1968, April 1974, April 1979, June 1990, and April 1997. The largest storms in the database for this area are 135mm of rainfall in June 1990, 115mm in August 1982, and 105mm in July 1935 and June 1965.

Basin Runoff Potential :

d = 60mm, T_p = 20hrs, q = 0.83 cms/km^2.
Gross DA = 4 km^2.
Q_p = 3 cms.

Conclusion :

Basin runoff potential governs for this site.

Recommended parameters : Y = 1.0 m, V = 2.0 m/s, Q = 3 cms.