# BF 75379 Hwy 682 Over Hines Ck Tributary
# Hydrotechnical Summary

**Channel Capacity** :

S = 0.1
B = 1 m, h = 0.5 m, $T_h$ = 3 m
Use n = 0.06

At Bank Height : Y = 0.5 m, V = 2.4 m/s, Q = 2.5 cms
At Channel Capacity : Y = 1.0 m, V = 4.6 m/s, Q = 11 cms

**Historical Highwater Data :**

There is no HW information on file. Frequent slides and d/s scour have occurred.

There are no WSC Gauges on this stream. Gauges in the area suggest HW events in June 1968, May 1984, June 1990, and April 1997. The largest storms in the storm database are about 100mm of rainfall in July 1935, August 1982, and June 1988.

**Basin Runoff Potential :**

d = 60 mm, $T_p$ = 20 hrs, q = 0.85 cms/km$^2$.
Gross DA = 60 km$^2$.
$Q_p$ = 5 cms.

**Conclusion :**

Basin runoff potential governs.

Recommended parameters : Y = 0.7 m, V = 3.4 m/s, Q = 5 cms.