BF 77122 Local Road Over Driedmeat Ck Tributary
Hydrotechnical Summary

Channel Capacity :

S = 0.001
B = 7 m, h = 1.4 m, T_h = 12 m
Use n = 0.045

At Bank Height : Y = 1.4 m, V = 0.7 m/s, Q = 10 cms
At Channel Capacity : Y = 2.1 m, V = 1.0 m/s, Q = 22 cms

Historical Highwater Data :

A 1969 report notes that water has been over the road (Y = 1.8m) at low level crossing.

There are no gauges on this stream. Gauges in the area suggest large runoff events in April 1974, and March 1985. No storms in the storm database exceed 100mm for this area.

Basin Runoff Potential :

d = 35mm, T_p = 40hrs, q = 0.25 cms/km^2.
Gross DA = 163 km^2.
Q_p = 40 cms.

Conclusion :

The channel capacity estimate is consistent with historic observations and is within the basin runoff potential.

Recommended parameters : Y = 2.1 m, V = 1.0 m/s, Q = 22 cms.