BF 06579 Local Road Over Driedmeat Ck Tributary
Hydrotechnical Summary

Channel Capacity :

S = 0.0006
B = 6 m, h = 1.6 m, T_h = 11 m
Use n = 0.045

At Bank Height : Y = 1.6 m, V = 0.6 m/s, Q = 8 cms
At Channel Capacity : Y = 2.4 m, V = 0.8 m/s, Q = 20 cms

Historical Highwater Data :

HW was observed at this site in July 1982 with HW to the bottom of the girders (Y = 2.0m). A report from 1965 notes a HWM to the bottom of girders (Y = 1.8m), and a 1971 report notes a HWM with Y = 1.5m.

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 = 345 km^2.
Q_p = 85 cms.

Conclusion :

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

Recommended parameters : Y = 2.4 m, V = 0.8 m/s, Q = 20 cms.