BF 71816 Local Road Over Beaton Ck Tributary
Hydrotechnical Summary

Channel Capacity :

Crossing is located in abandoned Beaton Ck channel (due to channel realignment in 1954), and is not representative of the runoff capacity for the contributing area.

Historical Highwater Data :

Bridge was eliminated in 1954 with a channel realignment to the south. Small pipes were installed to maintain water access and presumably handle runoff from area to the north.

Nearby gauges suggest large runoff events in May 1984, June 1990, and April 1997. The largest storms for this area in the database are 115mm of rainfall in August 1982, and 105mm in July 1963.

Basin Runoff Potential :

d = 40mm, T_p = 20hrs, q = 0.55 cms/km^2.
Gross DA = 13 km^2.
Q_p = 7 cms.

Conclusion :

The existing pipe appears to be operating adequately. Runoff from u/s lands should be easily handled. Highwater may be governed by backwater from Beaton Ck.