



Forbes Creek Subwatershed Study

Fluvial Preferred Alternative

This option would rehabilitate the entire Creek system downstream of Pond D. Only those sections of the Creek which are not functioning properly will be rehabilitated; however, given the fact that the Creek system upstream of Pond A and below the Pond D has no real form to it, these can be extensive Creek rehabilitations activity (and therefore costs) associated with this option. The value associated with this option is that it provides a more natural, undisturbed movement of sediment in the downstream direction. This option also allows fish migration upstream to the ponds, and thereby increases the fish habitat potential. While the upper portion of the creek at Pond D did not have flow in summer of 2001, creating a formal structure to the creek would allow for stabilization during periods when a substantial amount of a creek section in the lower reaches upstream of the Pond A. The costs of rehabilitating this section will be relatively low, with a major expenditure being removal of the concrete bed and step immediately upstream of the Pond A. This alternative addresses the majority of fluvial concerns existing in the Forbes Creek system with the exception of the Pond D to G, which have a social concern of the potential for increased sedimentation in their fluvial reaches and would be further addressed. This alternative also allows for any other servicing/transportation issues which may need to cross Forbes Creek, the potential crossing below Ponds D to G can be factored into the stream rehabilitation and the work on the stream system can be done at the time other construction works are undertaken.

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Stream Rehabilitation Plan

Scale 1 : 1 500 Date: July 2002

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