

# Jumpingpound Creek – Flood Recovery and Erosion Control (FREC)

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## Project Update

As a result of the 2013 floods, Jumpingpound Creek between George Fox Trail bridge and the its confluence with the Bow River suffered extensive bank erosion, both in the vicinity of the Bridge and further downstream along the unprotected banks on the west side. A large accumulation of debris also occurred on the east bank along the Creek's diversion to the east.

The Town of Cochrane was allocated funds for remedial work under the Flood Recovery and Erosion Control (FREC) program. The following is an update on this project:

1. The accumulated debris was removed in the spring of 2014.
2. Urban Systems completed detailed design of erosion protection measures (riprap) along the exposed banks in the spring/summer of 2014. The design also included a flood prevention berm on the east bank to protect homes along the Bow Meadows neighborhood.
3. Feedback was obtained from the residents who expressed a desire for a more naturalized look to the erosion protection measures, as well as maintaining the current alignment of Bow Meadows pathway, which had been re-located as a result of the proposed berm.
4. Urban Systems is currently in the process of re-designing the erosion protection measures to a bioengineered solution that blends better with the existing riparian area (see attached sketches). A re-design of the berm is also underway, to allow for the existing pathway to remain at the same location. The berm is designed to have a maximum height of 1.3 m with an average height of 0.7 m.
5. It is expected that the design will be completed by the end of November, 2014, and submitted for approval to DFO and AESRD in December, 2014.
6. If all approvals are obtained, the project will be tendered in January, 2015, and constructed between July 15 and September 15, 2015 (window for construction as per the Creek's restricted activity period).



# Jumpingpound Creek Flood Protection & Erosion Control

## Location Plan





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## Typical Cross-Section

