

The Jumpingpound Creek—Some History and Stories from the Past!

1996 Jumpingpound Creek Bank Stabilization Project!

Cover page

Previous

While BVHD was conducting a spawning and redd count survey on the JP in 1993, it was noted that there was a very large erosion site located on the lower reach of the stream, on the Wine Glass Ranch property. The site was on the outside bend of a tight oxbow in the stream channel, where under high flow conditions, the water was eroding the base of the high unstable bank.

It was determined that annually, tons of silt were entering the JP Creek and covering valuable spawning gravels and habitat downstream. With rainbow trout redds mapped downstream of the site, in the spawning survey, the erosion site was identified as a future bank stabilization project for the stream.

In 1995, I contacted Sheldon Lowe and asked him if he could complete a design plan for the bank site that required protection from run-off events. Sheldon agreed to inspect the site on one of his future trips down in the area and that he would contact me to arrange a meeting and tour of the site.

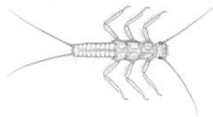
By the end of December of 1995, I received a design plan for the site from Sheldon's office and I was ready to start arranging some funding support. TransAlta, the Alberta Conservation Association and the JP Chapter of TU would provide the funding for the project and BVHD would manage the construction end.

The plan called for the installation of a series of boulder deflectors that would protrude out into the stream channel at a 90 degree angle, directed upstream into the flow. The base of each deflector would require tunneling into the base of the steep bank, a distance of two metres.

The idea behind the design was that these deflectors, if positioned correctly, would push the main velocity of flow out from the toe of the steep bank and thus reduce the erosion on the base of the bank.

The project would require a very large quantity of class 3 rock and fortunately a developer from Cochrane (Terry-Anne Developments) donated most of the rock required for the project. With the large amount of rock being trucked into the site, a considerable amount of reclamation of the site would also be required.

The JP Bank Stabilization Project was completed in August of 1996. The site has been monitored for the past 15 years and it is still intact and doing the job that it was designed to do!



[See the Video](#)



Above: This is a 1997 photo of the site, one year after completion.



Above: This is a photo of the site during the spring run-off event in 1997. Note: You can see how the deflectors keep the fast flow velocity away from the base of the steep bank to the left side of the channel.



Above: This is a photo taken in 2005, during a major flood event on the JP Bank Stabilization Site. Although the deflectors are submerged under 3 feet of water, they are still effective in keeping the erosion of the bank at a minimum!

<OPTION> Over the last 40 years, it has been my misfortune to witness the <OPTION>degradation of a number of area trout streams. During that time, <OPTION>I sadly have observed the total collapse of two one fine sport <OPTION>fisheries that historically had been well known by may trout fishers. <OPTION> In recent years, there has been a trend developing towards the <OPTION>protection of what we have left in flowing trout waters, including <OPTION>the habitat and water quality that freshwater trout depend so much <OPTION>upon for their survival! <OPTION> Not only are fisheries managers and sport fishers involved in this <OPTION>growing movement, but also groups and individuals that recognize <OPTION>the importance of these unique stream environments, the inhabitants <OPTION>and the fresh clean water that they provide! <OPTION> I am confident that by educating the general public more about <OPTION>the importance of our trout streams, we can further enlighten the <OPTION>the public and gain the well needed additional support. This magazine <OPTION>was designed for this purpose and it is my hope that you enjoy it! <OPTION> Included in this publication is information about some of the projects <OPTION>that have been completed in this area, to protect and enhance our <OPTION>trout fisheries, and the important environment on which these sport <OPTION>fish depend upon. <OPTION> It is my hope that you enjoy the stories and news included in this <OPTION>and future volumes! - Guy Woods <SELECT> <INPUT TYPE="SUBMIT" VALUE="Go!"> </DIV> </FORM>

[Read More](#)

<FORM ACTION="networking.html"> <DIV> <OPTION SELECTED>Publisher/Editor Statement