



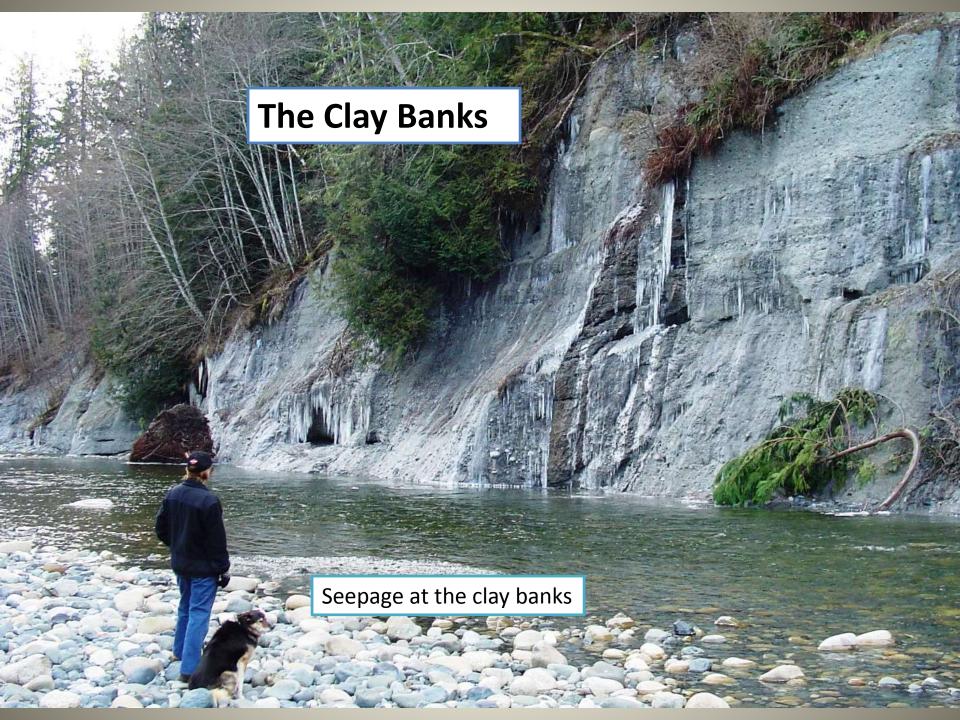
A catastrophic collapse of the clay banks could cause significant problems by temporally damming the river and possibly creating a flash flood.

























Potential solution

Using a large excavator and a 5-6 yard loader a new deep river channel could be created 50 -60 meters away from the clay bank. The project should be completed within one week during a low flow period in summer. The cost should not exceed \$ 30,000

diversion berm Clay **Banks**

Existing river channel

3rd the last piece to excavate, allowing the river to flow into the new channel

1st dig a temporary shallow diversion swale, with a culverted crossing 10 meters from the river channel

2nd A new deep channel is dug with the excavated material relocated into the existing channel

New river channel

Potential solution

Using a large excavator and a 5-6 yard loader a new deep river channel could be created 50 -60 meters away from the clay bank. The project should be completed within one week during a low flow period in summer. The cost should not exceed \$ 30,000

New deep river channel Diversion berm of The last piece removed heavy logs and boulders allowing the river to flow into the new channel Clay Filled area in old channel **Banks** protecting and stabilizing the foot of the clay bank Vegetation could be relocated to the filled area and to stabilize the new channel New river channel Concept by Trevor Wicks

Trentec Innovations

October 2013



New channel 50 meters from the old channel