

Gold Run Creek Erosion Control Project: 2006 Follow-up Monitoring

Non-Technical Summary

A large erosion cut, approximately 300 metres long and up to 50 metres deep, has occurred on a stockpile of frozen overburden on the east bank of Gold Run Creek, a placer mining area southeast of Dawson City.

In September 2005 erosion control structures reinforced with live willow cuttings were installed at the site. These structures consisted of earth retaining walls built to stabilize the slope failure and a flume to convey the water past the retaining walls while the willows had time to grow and strengthen the structures.

In July 2006 the site was revisited. It was found that, while the earth retaining walls were intact, the flume had malfunctioned and further erosion had occurred beyond the walls. It was concluded that the collapse of the flume was the primary cause of the failure of the erosion control project.