

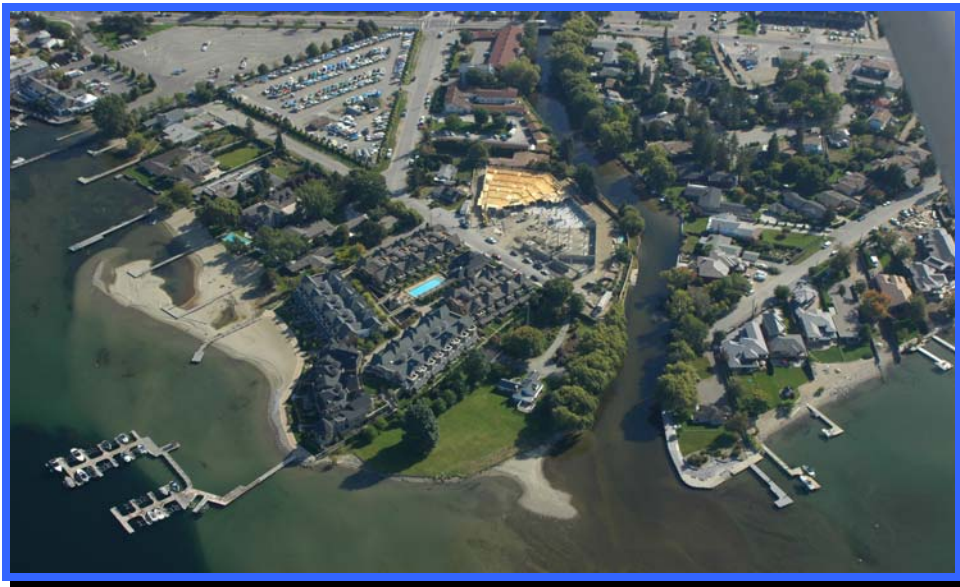
Mission Creek Restoration Project (\$10,000)

Project Title: Sediment Mitigation Strategies for Lower Mission Creek

Contact Persons: Todd Cashin, City of Kelowna

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The Mission Creek Working Group is a multiagency partnership working to restore large portions of Mission Creek and improve habitat for indigenous species of fish and wildlife. The restoration program involves setting back dykes and reconnecting the river to its former floodplain to allow for sediment control and flow moderation.



This sediment mitigation study involves an analysis of sediment sources and documentation of deposition areas. The study will also analyze hydrological data to determine the frequency and amount of sediment transport/deposition flow events. This analysis will identify sediment mitigation strategies to reduce the need for flood control maintenance and ultimately improve habitat for fish and wildlife in lower Mission Creek.

To date, the background review of information has been completed which included a review of habitat restoration, hydrological, and gravel extraction studies previously completed on Mission Creek. In addition, the field reconnaissance and data collection has largely been completed by documenting the sediment deposition patterns. The preliminary analysis has shown that areas of sediment deposition are common between East Kelowna road Bridge and Gallagher's Canyon as well as between KLO bridge and the mouth of Mission Creek.

Some obstacles encountered when conducting the field work involve safety issues with wildlife. Field personnel have encountered bears in Mission Creek on a number of occasions. A bear encounter generally ended the days work. Additionally, some technical difficulties with field measuring equipment resulted in the loss of data which slightly delayed project timelines & deliverables.

Remaining work to be completed includes data analysis (December 2008), and reporting (January and February 2009). The project is expected to be complete by March 2009.

