



## 2012 Cold Spring Creek Dike Inspection Report

Water Course 1: Cold Spring Creek

GPS Number 330

The Dike was inspected on Friday May 11, 2012.

Weather conditions at the time of the inspection were mostly sunny, approximately 20<sup>0</sup> C.

### **Upstream Conditions**

The upstream conditions were normal, no debris existed at the entry of 2 culverts that Cold Spring Creek flows through in between the dam and dike protected area. An upstream dam had minimal debris in the reservoir at the time of inspection, as it had been cleared out of deposited material from a debris flow in the summer of 2011. Cold Spring Creek channel had normal levels of gravel and debris in the channel above the dike protected areas.

### **Dike Conditions**

The dike armoring is in good condition with no signs of erosion or high water over the past 12 months. The flow through the channel is similar to last year. Vegetation is present in the armoring of the dike and removal of brush for the section of dike the RDEK is responsible for, is planned for the fall of 2012 when minimal flow is likely. The brushing was originally scheduled for 2011, but due to RDEK personnel availability, the work was postponed until 2012. Through the Statutory Right of Way agreement established between the RDEK and Riverview North NES 183 Strata, brushing for the dike protected area between Riverview Drive and the entrance to the stilling basin is the responsibility of the Riverview North NES 183 Strata. The Strata has been advised of their maintenance responsibility for the dike works along Cold Spring Creek, and will be provided with a copy of this report. (please see attached photos)

### **Scheduled Maintenance**

Removal of vegetation from the RDEK section of the dike that the RDEK is responsible for, will be executed in the fall of 2012. Gravel removals from the stilling basin will also be undertaken in 2012, a Section 9 Works in and around a Stream, will be submitted before the end of June for removals in the fall of 2012

### **Maintenance Executed over the Past 12 Months**

Other than annual reporting and inspections, no maintenance was undertaken in 2011.

Inspection Photos

Upstream Dam



Cold Spring Creek Flow volume



Cold Spring Creek above Riverview Drive (RDEK Maintenance Section)



Cold Spring Creek along Riverview North NES 183 Strata (Strata Maintenance Section)



Cold Spring Creek Stilling Basin Gravels Deposition

