

Jim Maletta

From: Jim Maletta
Sent: May 30, 2011 10:17 AM
To: 'judy.becker@gov.bc.ca'
Subject: Cold Spring Creek Annual Inspection Checklist
Attachments: Cold Spring Creek Dike Inspection Checklist.pdf

Hi Judy,

Please find attached the cold Spring Creek Annual Checklist that was not included in my recent submission, please include this with the 2011 Inspection Report .

Thank-you,

Jim

Jim Maletta, AScT.
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Cold Spring Creek Dike Inspection Report

Water Course 1: Cold Spring Creek

GPS Number 330

The Dike was inspected on Friday May 20, 2011.

Weather Conditions at the time of the inspection were mostly sunny with scattered clouds, approximately 18 Degrees C at the time of the inspection.

Upstream Conditions

The upstream conditions were normal, no debris existed at the entry of 2 culverts that Cold Spring Creek flows through. An upstream dam had minimal debris in the reservoir at the time of inspection and the Cold Spring Creek channel at inspection points had normal amounts of debris present.

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 has increased this year over last year. Vegetation is present in the armoring of the dike and removal is planned for the fall of 2011 when minimal flow is likely. (please see attached photo)

Scheduled Maintenance

Removal of vegetation within the armored portion of the dike scheduled for the fall of 2011.

Maintenance Executed of the Past 12 Months

Removal of silt piles from private work executed approximately 5 years ago. This was along the banks of the deposition pond or stilling basin. The area was also graded and seeded for slope stabilization. (please see attached photos).

DIKE INSPECTION CHECKLIST

Dike Name (From database) COW SPRING CREEK GPS No. (database) 330
 Water Courses COW SPRING CREEK Dike Section ENTIRE DIKE
 Date Inspected MAY 20, 2011 Signed J. Mallett

For sections 1-4, please check the applicable box. If you check the Yes box, please explain in detail in your attached inspection report. Please also refer to "Flood Protection Works Inspection Guide" from March 2000 for a detailed guide to dike inspection and reporting, available at:
http://www.env.gov.bc.ca/wsd/public_safety/flood/pdfs_word/fld_prot_insp_gd.pdf

1. Is there any obstruction, deterioration or damage to dike access?
(access routes, ramps, and gates)

	YES	NO	N/A
		✓	

2. Is there any deterioration or damage to the following?

	YES	NO	N/A
• Dike Crest and slopes (ruts, loss of surfacing material, obstructions, slumping, cracking)		✓	
• Bank Protection (loss of rock, settlement, slumping)		✓	
• Flood Boxes/Pump stations (inlet/outlet channels, gate operation, trash racks, debris, erosion, corrosion, structure, mechanical components) or damage to dike access?(access routes, ramps, and gates)		✓	

3. Were any of the following serious problems observed? (if yes, please attach photo or sketch)

	YES	NO	N/A
• Seepage (and/or evidence of piping)		✓	
• Erosion		✓	
• Slumping, cracking, sink holes		✓	
• Animal Damage (beavers, animal burrows, cattle, etc.)		✓	
• Unauthorized construction (excavations, utilities, structures)		✓	
• Channel infilling and aggregation		✓	
• Significant flood levels (within free board) within the last 12 months		✓	

4. Vegetation Management

	YES	NO	N/A
• Hampers or prevents access?		✓	
• Reduces visibility to each toe?		✓	
• Trees in or near dike (within 2m from toe) with potential for uprooting?	✓		
• Multi-year vegetation management plan in place?	✓		
INSPECTED ANNUALLY AND PLANNED FOR THIS FALL			

5. Report describes upgrading, repair and/or maintenance work (including vegetation management) completed in the past 12 months:

Check complete

6. Report describes and encloses copies of any dike crest surveys and/or engineering studies/investigations completed in the past 12 months:

Check complete *NOT APPLICABLE*

7. Report describes the work required in the next 12 months and the estimated schedule for completion:

Check complete

8. Report includes photos, sketches, maps etc.

Check complete

Notes on using this Check List:

1. This check list can be used as an outline for your comprehensive report.
2. Use the dike names and GPS Numbers on the provincial database (on web page or as shown on green sheet enclosed with mail out).
3. When referring to specific locations use chainages from the O&M manual drawings and/or major landmarks (roads, bridges etc). Please do not use local property names.



20.05.2011 12:47





12.05.2010 12:03



20.05.2011 12:55

East Kootenay Regional District

Water Course	Cold Spring Creek	Structure Type	Dike
Water Course 2		Ancillary Works	
GPS Number	330	Structure Length	484 m
Dike Name	Cold Spring Creek	NAD 83 Map Number	
Region	Kootenay	Floodplain Maps	
Owner/Administrator	East Kootenay Regional District	UTM Northing	5 576 382
Address	19 - 24th Ave S	UTM Easting	11U 580 578
City	Cranbrook	Service Area	
Province	BC	Land Use	Residential
Postal Code	V1C 3H8	Number of Buildings	
Contact Person	Vim Maletta	Infrastructure Protected	
Telephone	250-489-2791	Geographic Feature	Riverine
Fax	250-489-1287	Type of Flooding	
		Local Authority under EPA	East Kootenay Regional District
		Regulated under DMA	Yes

Notes Urban drainage works. Located 250m north of Fairmont Creek