

2015 DIKE INSPECTION CHECK LIST

Dike Name (From database) COLD SPRING CREEK GPS No. (database) 330
 Water Courses _____ Dike Section _____
 Date Inspected COLD SPRING CREEK Inspected ALL
MAY 21, 2015 Signed [Signature]

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

	YES	NO	N/A
1. Is there any obstruction, deterioration or damage to dike access? (access routes, ramps, and gates)		✓	
Location(s): Summary of Issues: Maintenance Recommendations: When will Recommendations be Completed:			

Supplemental Photos & Descriptions Attached – Section 1

	YES	NO	N/A
2. Is there any deterioration or damage to the following?		✓	
<ul style="list-style-type: none"> • Dike Crest and slopes (ruts, loss of surfacing material, obstructions, slumping, cracking) Location(s): Summary of Issues: Maintenance Recommendations: When will Recommendations be Completed:			

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	YES	NO	N/A
<ul style="list-style-type: none"> • Bank Protection (loss of rock, settlement, slumping) 		✓	
<p>Location(s):</p> <p>Summary of Issues:</p> <p>Maintenance Recommendations:</p> <p>When will Recommendations be Completed:</p>			
<ul style="list-style-type: none"> • Flood Boxes/Pump stations (inlet/outlet channels, gate operation, trash racks, debris, erosion, corrosion, structure, mechanical components) 			✓
<p>Location(s):</p> <p>Summary of Issues:</p> <p>Maintenance Recommendations:</p> <p>When will Recommendations be Completed:</p>			
<ul style="list-style-type: none"> • Culverts/Discharge Pipes (breaks, holes, cracks, corrosion, deterioration) 	✓		
<p>Location(s): <i>Last culvert along Cold Spring Creek, 50 m U/S of the Lower Debris Trap.</i></p> <p>Summary of Issues: <i>Very minor piping under the culvert.</i></p> <p>Maintenance Recommendations: <i>Monitor for any increase in undermining of the culvert.</i></p> <p>When will Recommendations be Completed: <i>Ongoing.</i></p>			

Supplemental Photos & Descriptions Attached – Section 2

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3. Were any of the following serious problems observed? (if yes, please attach a photo or a sketch)	YES	NO	N/A
<ul style="list-style-type: none"> • Seepage (and/or evidence of piping) 	✓		
Location(s): <i>Lowest avert (see previous comment)</i>			
Summary of Issues:			
Maintenance Recommendations:			
When will Recommendations be Completed:			
<ul style="list-style-type: none"> • Erosion 		✓	
Location(s):			
Summary of Issues:			
Maintenance Recommendations:			
When will Recommendations be Completed:			
<ul style="list-style-type: none"> • Slumping, cracking, sink holes 		✓	
Location(s):			
Summary of Issues:			
Maintenance Recommendations:			
When will Recommendations be Completed:			

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	YES	NO	N/A
<ul style="list-style-type: none"> • Animal Damage (beavers, animal burrows, cattle, etc.) 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Location(s):</p> <p>Summary of Issues:</p> <p>Maintenance Recommendations:</p> <p>When will Recommendations be Completed:</p>			
<ul style="list-style-type: none"> • Unauthorized construction (excavations, utilities, structures) 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Location(s):</p> <p>Summary of Issues:</p> <p>Maintenance Recommendations:</p> <p>When will Recommendations be Completed:</p>			
<ul style="list-style-type: none"> • Channel infilling and aggregation 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Location(s): ① Lower debris trap ② Lowest culvert just upstream of debris trap</p> <p>Summary of Issues: ① Minor gravel deposition at the inlet to the debris trap. - the d/s half is completely filled in w/ several yrs of accumulation ② Culvert is about 1/3 full on u/s side</p> <p>Maintenance Recommendations: All areas should be cleaned out.</p> <p>When will Recommendations be Completed: August 2016.</p>			

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	YES	NO	N/A
<ul style="list-style-type: none"> • Significant flood levels (within free board) within the last 12 months 		✓	
Location(s): Summary of Issues: Maintenance Recommendations: When will Recommendations be Completed:			

Supplemental Photos & Descriptions Attached – Section 3

4. Vegetation Management

	YES	NO	N/A
<ul style="list-style-type: none"> • Hampers or prevents access? 		✓	
Location(s): Summary of Issues: Maintenance Recommendations: When will Recommendations be Completed:			
<ul style="list-style-type: none"> • Reduces visibility to each toe? 	✓		
Location(s): <i>Patches between Hwy 93195 + lowest debris trap</i>			
Summary of Issues: <i>Bushes are beginning to grow in + are starting to reduce visibility.</i>			
Maintenance Recommendations: <i>Brushing should be completed in the next 2-3 years</i>			
When will Recommendations be Completed: <i>2-3 years</i>			

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	YES	NO	N/A
<ul style="list-style-type: none"> • Trees in or near dike (within 2m from toe) with potential for uprooting? 		✓	
Location(s): Summary of Issues: Maintenance Recommendations: When will Recommendations be Completed:			
<ul style="list-style-type: none"> • Multi-year vegetation management plan in place? 	✓		
If not, please discuss how one will be put into place:			

Supplemental Photos & Descriptions Attached – Section 4

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 http://www.env.gov.bc.ca/wsd/public_safety/flood/fhm-2012/safety_dma_approv.html#river
3. When referring to specific locations use:
 - Chainages from the O&M manual drawings,
 - Major landmarks (roads, bridges, etc.),
 - And if possible, GPS coordinates.
 - **Please do not use local property names.**