

REGIONAL DISTRICT OF EAST KOOTENAY

Main Office
19 - 24th Avenue South
CRANBROOK, BC V1C 3H8
Ph: 250-489-2791 • Fax: 250-489-3498
Toll Free: 1-888-478-7335 (BC & AB Only)
Email: rdek@rdek.bc.ca • Website: www.rdek.bc.ca

Columbia Valley Office
Box 2319, 4956 Athalmer Road
INVERMERE, BC V0A 1K0
Ph: 250-342-0063 • Fax: 250-342-0064

File:

Wff 816 001
Wff 816 002
WLbg 817 001
WLbj 817 001

February 10, 2006

Office of Inspector of Dikes
Environmental Protection Division
Ministry of Environment
10470 152nd Street
Surrey BC V3R 0Y3

Re: 2005 Flood Protection Inspection Reports

Enclosed are the *Confirmation of Annual Dike Inspection 2005* reports and *Flood Protection Inspection Reports* for the following works:

- Rosen Lake Control Structure
- Tie Lake Control Structure
- Fairmont Creek Flood Control Works
- Cold Spring Creek Flood Control Works

Sincerely,

Brian Funke, ASCT
Engineering Technician

BF/an

Enclosures

pc: Stephen McInnis, Manager of Engineering & Environmental Services

MUNICIPALITIES

CITIES: Cranbrook, Fernie, Kimberley; DISTRICTS: Elkford, Invermere, Sparwood; VILLAGES: Canal Flats, Radium Hot Springs

ELECTORAL AREAS

"A" Elkford Rural, Elk Valley, Fernie Rural, Flathead, Hosmer, Sparwood Rural, West Fernie; "B" Baynes Lake, Elko, Galloway, Grasmere, Jaffray, Newgate, Rosen Lake, Tie Lake; "C" Bull River, Cranbrook Rural, Fort Steele, Mayook, Monroe Lake, Moyie, Wardner, Wycliffe; "E" Kimberley Rural, Meadowbrook, St. Mary's Lake, Sheep Creek, Skookumchuk, Ta Ta Creek, Wasa; "F" Columere Park, Fairmont Hot Springs, Invermere Rural, Panorama, Windermere; "G" Brisco, Edgewater, Radium Rural, Spillimacheen, Wilmer

**Please mail or fax this form to the Inspector of Dikes by
May 31, 2005**

COLD SPRING CREEK FLOOD CONTROL WORKS
CONFIRMATION OF ANNUAL DIKE INSPECTION 2005

TO:

FROM:

Office of Inspector of Dikes
Lower Mainland Regional Office
Environmental Protection Division
Ministry of Water, Land and Air Protection
10470 - 152nd St
Surrey, BC V3R 0Y3
FAX: (604) 584-9751

Stephen McInnis
East Kootenay Regional District
19 - 24th Ave S
Cranbrook BC V1C 3H8
250-489-0300 250-489-1287

1. Is your Annual (2005) Dike Inspection Complete? YES NO
If NO, please indicate expected completion date: _____
If YES, please provide date of inspection: YY 2005 MM MAY DD 19
and attach the complete inspection report.

2. According to the Provincial Flood Protection Works Database, you are responsible for a diking system. Is all the information on the above label correct? YES NO
If NO, please provide updated details below - (this information assists provincial agencies in case of flood emergencies):

CONTACT IS: BRIAN FUNKE
ENGINEERING TECHNICIAN

3. If you have any additional comments or suggestions about your diking authority and/or structure, please indicate them below:

Submitted by: BRIAN FUNKE

Date: OCTOBER 27/05

FLOOD PROTECTION INSPECTION REPORT

Dike Name (from database): COLD SPRING CREEK Dike Length: _____
 Water Courses: COLD SPRING CREEK Dike Section: SITE 1, 2, 3
 Date Inspected: MAY 19, 2005 Signed: B. L.

For sections 1-4, please check the applicable box. If you check the Yes box, please explain in detail below or on attachments. Please also refer to "Flood Protection Works Inspection Guide" from March 2000 for a detailed guide to dike inspection and reporting, available at: http://wlapwww.gov.bc.ca/wat/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)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

2. Is there any deterioration or damage to the following?			
• Dike Crest and slopes (ruts, loss of surfacing material, obstructions, slumping, cracking)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Bank Protection (loss of rock, settlement, slumping)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Flood Boxes/Pump stations (inlet/outlet channels, gate operation, trash racks, debris, erosion, corrosion, structure, mechanical components)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

-PROPERTY DEVELOPER TO RECONSTRUCT DEFLECTION BERM(S) WEST OF HIGHWAY 93/95. IN THE FALL OF 2005.

3. Were any of the following serious problems observed? (if yes, please attach photo or sketch)			
• Seepage (and/or evidence of piping)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Erosion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Slumping, cracking, sink holes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Animal Damage (beavers, animal burrows, cattle, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Unauthorized construction (excavations, utilities, structures)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Channel infilling and aggregation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Significant flood levels (within free board) within the last 12 months	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SEE ITEM 2 COMMENT

YES NO N/A

4. Vegetation Management:

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

5. Describe maintenance work (including vegetation management) completed in the past 12 months:

NO VEGETATION MANAGEMENT COMPLETED IN THE PAST 12 MONTHS.

6. Describe the work required in the next 12 months and the estimated schedule for completion:

Item	Proposed Completion Date
<u>RECONSTRUCT DEFLECTION BERM</u>	<u>MARCH 2006</u>

7. Please list inspection report attachments (photos, sketches etc.)

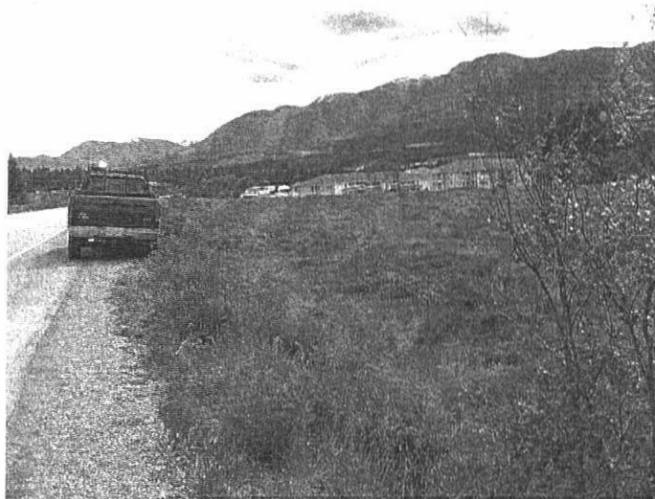
PHOTOS - COLD SPRING CREEK - 2 PAGES

Notes on completing this Flood Protection Inspection Report form:

1. Please use a separate inspection form for each dike, or section of dike.
2. When completing the inspection report, please use the dike name the way it appears on the provincial database (on web page or as shown on green sheet enclosed with mail out). If you believe there are any errors or omissions in the database, please submit them with the inspection report.
3. If you use more than one form for each dike, please indicate the dike section using chainage and/or major landmarks (roads, bridges etc). Please do not use local property names in the inspection report.



Cold Spring Creek, Site 1 - Upstream reservoir / debris trap 19/05/2005



Cold Spring Creek, Site 2 – Deflection berm to be reconstructed 19/05/2005



Cold Spring Creek, Site 3 – Vegetation growth within dike rip-rap 19/05/2005



Cold Spring Creek, Site 3 – Vegetation growth within dike rip-rap 19/05/2005



Cold Spring Creek, Site 3 – Recently constructed outfall structure 19/05/2005



Cold Spring Creek, Site 3 – Downstream debris trap 19/05/2005