

ACTIVE

BC Ministry of  
Forests and Range

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# Bridge Register Structure Inventory Data Form CULVERTS

CK-2162

## STRUCTURAL DETAILS

\*Culvert Number: 1 of 1

\*Culvert Length (metres):

Gradient:

5%

\*Culvert Type:

☐ Box☐ Elliptical☐ Open Bottom☒ Round

\*Culvert Material:

☐ Concrete☐ Corrugated Steel☐ Log☐ Other☒ Steel Non-Corrugated

\*Inlet Cover Depth (mm):

~ 5000

\*Outlet Cover Depth (mm):

5000

\*Opening Height (mm):

1700

\*Opening Width (mm):

1700

\*Headwall Location:

☐ Both☐ Inlet☒ None☐ Outlet

Open Bottom Substructure:

☐ Cast in Place Concrete Footing☐ Lock-Block Footing☐ Piles☒ Precast Concrete Footing☐ Steel Footing

Comments:

175 A 1700 mm  
 CSP THAT'S BEEN  
 SLIGHTLY  
 AGGRAVED.



## Routine Condition Culvert Inspection Form

| GENERAL INFORMATION                                                                                            |                                       |               |                                                                   | (enter either long/lat or UTM - not both)                         |           |                 |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-----------|-----------------|
| Site #                                                                                                         | CK-2162                               |               |                                                                   | Structure #                                                       |           |                 |
| FSR Name                                                                                                       | LOST CRK                              |               |                                                                   | User km                                                           | 0.8       | Project File ID |
|                                                                                                                |                                       |               |                                                                   | 8466                                                              | Branch 01 |                 |
| Longitude: (ddd / mm / ss.s)                                                                                   | 49 17 09.7                            |               |                                                                   | OR                                                                | UTM Zone  | UTM Easting     |
| Latitude: (ddd / mm / ss.s)                                                                                    | 122 13 39.7                           |               |                                                                   |                                                                   |           | UTM Northing    |
| LEFT/RIGHT APPROACHES (as seen facing downstream) E = excellent; G = good; F = fair; P = poor; N/A = not appl. |                                       |               |                                                                   |                                                                   |           |                 |
| Item                                                                                                           | Present Condition (circle or fill-in) |               | Comments (a comment is mandatory if condition "Poor" is selected) |                                                                   |           |                 |
| Alignment                                                                                                      | E (G) F P                             |               |                                                                   |                                                                   |           |                 |
| Bridge Ahead Signs Missing                                                                                     | 0 1 (2)                               |               |                                                                   |                                                                   |           |                 |
| Brushing Required                                                                                              | Yes (No)                              |               |                                                                   |                                                                   |           |                 |
| Delineator Missing Left                                                                                        | 0 1 2                                 |               | / NOT REQUIRED                                                    |                                                                   |           |                 |
| Delineator Missing Right                                                                                       | 0 1 2                                 |               |                                                                   |                                                                   |           |                 |
| Fender Condition                                                                                               | E G F P (None)                        |               | NEEDS FENDERS ON THE DOWN STREAM &                                |                                                                   |           |                 |
| Posted Load Rating (tonnes)                                                                                    | ---                                   |               | NOT POSTED UPSIDEAM - STEEP                                       |                                                                   |           |                 |
| Road Surface                                                                                                   | E (G) F P                             |               | ROAD RD W/SL GRATED. FULL SLOPE                                   |                                                                   |           |                 |
| GENERAL CULVERT ITEMS                                                                                          |                                       |               |                                                                   |                                                                   |           |                 |
| Item                                                                                                           | Present Condition (circle)            |               | Comments (a comment is mandatory if condition "Poor" is selected) |                                                                   |           |                 |
| Baffles                                                                                                        | E G F P (N/A)                         |               |                                                                   |                                                                   |           |                 |
| Bolted Connections                                                                                             | E G F P (N/A)                         |               |                                                                   |                                                                   |           |                 |
| Coupled Connections                                                                                            | E G (F) P N/A                         |               |                                                                   |                                                                   |           |                 |
| Coating                                                                                                        | E G (F) P N/A                         |               | SLIGHT RUST.                                                      |                                                                   |           |                 |
| Embedment Materials                                                                                            | E G F P (N/A)                         |               |                                                                   |                                                                   |           |                 |
| Fill                                                                                                           | E G (F) P                             |               | OLD LOGS RETAINING FILL                                           |                                                                   |           |                 |
| Roof                                                                                                           | E G (F) P                             |               |                                                                   |                                                                   |           |                 |
| Side Walls                                                                                                     | E G (F) P                             |               |                                                                   |                                                                   |           |                 |
| Floor                                                                                                          | E G (F) P N/A                         |               | SMALL AMOUNT OF DEBRIS IN CEP                                     |                                                                   |           |                 |
| Head Walls                                                                                                     | E G F P (N/A)                         |               |                                                                   |                                                                   |           |                 |
| Wing Walls                                                                                                     | E G F P (N/A)                         |               |                                                                   |                                                                   |           |                 |
| Inlet                                                                                                          | E G (F) P                             |               | SLIGHT SCOUR WOODS + DOWN SIDE ± SLIGHT AFG                       |                                                                   |           |                 |
| Outlet                                                                                                         | E G F (P)                             |               | SCOUR OF FILL SCOUR                                               |                                                                   |           |                 |
| Overall                                                                                                        | E G (F) P                             |               | FAR AND.                                                          |                                                                   |           |                 |
| Riprap                                                                                                         | E G (F) P N/A                         |               | INLET HAS POTENTIAL FOR SCOUR DUE TO LACK OF RIP RAP              |                                                                   |           |                 |
| Trash Rack                                                                                                     | E G F P (N/A)                         |               |                                                                   |                                                                   |           |                 |
| Weirs/Backwater Structures                                                                                     | E G F P (N/A)                         |               |                                                                   |                                                                   |           |                 |
| LOG CULVERTS ONLY                                                                                              |                                       |               |                                                                   |                                                                   |           |                 |
| Stringer #                                                                                                     | Ave. rot depth (mm)                   | Diameter (mm) | Wood Species                                                      | Comments (a comment is mandatory if condition "Poor" is selected) |           |                 |
| 1                                                                                                              |                                       |               |                                                                   |                                                                   |           |                 |
| 2                                                                                                              |                                       |               |                                                                   |                                                                   |           |                 |
| 3                                                                                                              |                                       |               |                                                                   |                                                                   |           |                 |
| 4                                                                                                              |                                       |               |                                                                   |                                                                   |           |                 |
| 5                                                                                                              |                                       |               |                                                                   |                                                                   |           |                 |
| 6                                                                                                              |                                       |               |                                                                   |                                                                   |           |                 |
| 7                                                                                                              |                                       |               |                                                                   |                                                                   |           |                 |
| 8                                                                                                              |                                       |               |                                                                   |                                                                   |           |                 |
| 9                                                                                                              |                                       |               |                                                                   |                                                                   |           |                 |
| 10                                                                                                             |                                       |               |                                                                   |                                                                   |           |                 |
| 11                                                                                                             |                                       |               |                                                                   |                                                                   |           |                 |
| 12                                                                                                             |                                       |               |                                                                   |                                                                   |           |                 |
| 13                                                                                                             |                                       |               |                                                                   |                                                                   |           |                 |
| 14                                                                                                             |                                       |               |                                                                   |                                                                   |           |                 |



## Routine Condition Culvert Inspection Form

| GENERAL INFORMATION                                       |                     |                                                       |                             |                                                                      |
|-----------------------------------------------------------|---------------------|-------------------------------------------------------|-----------------------------|----------------------------------------------------------------------|
| Site # <u>CK2162</u>                                      |                     | Structure #                                           |                             |                                                                      |
| LOG CULVERTS ONLY (continued)                             |                     |                                                       |                             |                                                                      |
| Stringer #                                                | Ave. rot depth (mm) | Diameter (mm)                                         | Wood Species                | Comments<br>(a comment is mandatory if condition "Poor" is selected) |
| 15                                                        |                     |                                                       |                             |                                                                      |
| 16                                                        |                     |                                                       |                             |                                                                      |
| 17                                                        |                     |                                                       |                             |                                                                      |
| 18                                                        |                     |                                                       |                             |                                                                      |
| 19                                                        |                     |                                                       |                             |                                                                      |
| 20                                                        |                     |                                                       |                             |                                                                      |
| 21                                                        |                     |                                                       |                             |                                                                      |
| 22                                                        |                     |                                                       |                             |                                                                      |
| 23                                                        |                     |                                                       |                             |                                                                      |
| 24                                                        |                     |                                                       |                             |                                                                      |
| Comments                                                  |                     |                                                       |                             |                                                                      |
| CHANNEL                                                   |                     |                                                       |                             |                                                                      |
| Est. Present Water Level Depth (m) <u>0.1</u>             |                     | Est. Present Water Level Width (m) <u>0.2</u>         |                             | Est. High Water Level Clearance (m) <u>1.1</u>                       |
| HAZARDS (circle yes or no for each item)                  |                     |                                                       |                             |                                                                      |
| High Water?                                               | Yes No              | Scour?                                                | Yes No                      | Ice? Yes No                                                          |
|                                                           |                     |                                                       |                             | Debris? Yes No                                                       |
|                                                           |                     |                                                       |                             | Aggradation? <u>(Yes)</u> No                                         |
| Comments <u>Scour on</u>                                  |                     |                                                       |                             |                                                                      |
| REPAIRS (H = High, M = Medium, L = Low)                   |                     |                                                       |                             |                                                                      |
| #                                                         | Priority (circle)   | Estimate (\$)                                         | Description                 |                                                                      |
| 1                                                         | H <u>(M)</u> L      |                                                       | Scour @ outlet = Full slope |                                                                      |
| 2                                                         | H <u>(M)</u> L      |                                                       | RIP RAP @ INLET.            |                                                                      |
| 3                                                         | H M L               |                                                       |                             |                                                                      |
| ITEMS TO MONITOR                                          |                     |                                                       |                             |                                                                      |
| #                                                         | Description         |                                                       |                             |                                                                      |
| 1                                                         |                     |                                                       |                             |                                                                      |
| 2                                                         |                     |                                                       |                             |                                                                      |
| PHOTO LOG                                                 |                     |                                                       |                             |                                                                      |
| Photo #                                                   | Description         | Photo #                                               | Description                 |                                                                      |
|                                                           | LEFT TO RIGHT       |                                                       | RIGHT TO LEFT               |                                                                      |
|                                                           | INLET               |                                                       |                             |                                                                      |
|                                                           | OUTLET              |                                                       |                             |                                                                      |
|                                                           | FULL SLOPE SCOUR    |                                                       |                             |                                                                      |
| INSPECTOR TO COMPLETE THIS SECTION                        |                     |                                                       |                             |                                                                      |
| As-built Drawings Checked?<br>Yes <u>(No)</u>             |                     | P Eng Inspection Required? Yes <u>(No)</u>            |                             | Date of Inspection (yyyy/mm/dd)<br><u>2010/08/09</u>                 |
| Inspection Company Name<br><u>Onsite Engineering Ltd.</u> |                     | Inspector's Name (print)<br><u>ALI SAEEDINI</u>       |                             | Inspector's Signature<br><u>[Signature]</u>                          |
| Comments                                                  |                     |                                                       |                             |                                                                      |
| PROFESSIONAL ENGINEER (P.Eng.) TO COMPLETE THIS SECTION   |                     |                                                       |                             |                                                                      |
| Current Load Rating GVW (tonnes):<br><u>150</u>           |                     | Date of Next Inspection <u>2013/09/01</u>             |                             |                                                                      |
| Reviewer Company Name<br><u>MNRO</u>                      |                     | Reviewed by - P.Eng.'s Name (print)<br><u>G. Dohm</u> |                             | Date Reviewed (yyyy/mm/dd)<br><u>2010/10/29</u>                      |
| Reviewed by - P.Eng.'s Signature<br><u>[Signature]</u>    |                     |                                                       |                             |                                                                      |
| Comments <u>Continue with current load rating.</u>        |                     |                                                       |                             |                                                                      |



CK2162 Outlet



CK2162 Left to right



CK2162 Right to left



CK2162 Inlet



CK2162 Fill slope scour