

CK-2343
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STAVE 26.4km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°34'25.79"
Longitude -122°23'9.5"

Site Status Active

Insp. Status Inspect

Crossing Name Side Creek

FSR # 8013 Branch # 1

Road Name STAVE

User km 26.4

Previous Load Rating (tonnes) 68

Structure Class Major Culvert

Culvert Type Elliptical

Culvert Material Corrugated Steel

Opening Height (mm) 1800

Opening Width (mm) 2600

Inlet Cover (mm) 1000

Outlet Cover (mm) 1400

Culvert Gradient % 2

Culvert Length (m) 11.5

Updated Data

Latitude 49°34'25.71"
Longitude -122°23'10.73"

HD Diff. (m) 24.9 Accuracy (m) 8

L75 or 68 tonnes

Inspection

Date of Inspection 2022-09-09 11:57:55 AM

Inspector Name Cameron VandenBrink, EIT

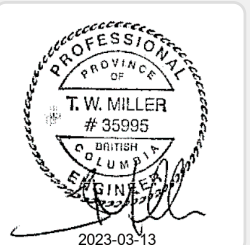
Recommended Next Inspection 2025
Year

Inspection Company Chartwell Resource Group Ltd

Inspector Comments

P.Eng Comments

Remove the organics from the inlet. Monitor the aggradation from the Stave River at the outlet and into the culvert. Monitor the corrosion of the culvert floor. The current load rating of L75 or 68 tonnes to continue.



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment **Good**

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required **N**

Delineator Missing
Left ☐ 0 ☐ 1 ☒ 2

Delineator Missing
Right ☐ 0 ☐ 1 ☒ 2

Fender Condition **N/a**

Posted Load Rating **Not posted**

Road Surface **Fair** **Minor potholes**

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware

Fill **Good**

Riprap **Fair**

Bearings

Corrosion Protection

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Culvert

Baffles

Bolted Connections Good

Coating Fair Floor is poor, rest of structure is fair

Coupled Connections

Embedment Materials

Fill Good

Floor Poor Rusting

Footing

Head Walls

Inlet Fair Remove log across creek just upstream of inlet.

Outlet Fair Aggrading and partially obstructing flows. Also leads to standing water in culvert

Overall Fair

Rip Rap Fair

Roof Fair

Sidewalls

Trash Rack

Weirs/Backwater
Structures

Wing Walls

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Hazards

Estimated Present Water Level Depth (m)	.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	1	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance	.8	Ic	☐		
Comments	Fines built up from stave river back watering				

Repairs and Monitoring

Repair Item	Repair Description
1 Channel. Debris removal. # of sites/items. Priority:Low	Remove log across channel directly upstream

2

3

4

5

6

7

Item	Monitor Description	Frequency
1	Monitor amount of aggrading material In outlet from backwatering events of the stave	Routine Inspection
2	Monitor the corrosion on floor of culvert	Routine Inspection
3		



Approach from bridge deck of Left bank approach when facing downstream



Approach from bridge deck of Right bank approach when facing downstream



Approach from Right Bank when facing downstream



Upstream from Crossing



Approach from Left Bank when facing downstream



Downstream from Crossing



Outlet



Culvert Floor



Inlet



Inlet