

RWC-1004 2023 Inspection

Chehalis 12.6km



RWIP Offline v7 TEST 2

Retaining Wall Inventory Data

Existing Data

Updated Data

Structure Number RWC-1004

User km 12.6

Project File # 8241.01

FSR Name Chehalis

District Chilliwack

Road Responsibility DCK (Chilliwack)

Design Function Fill Slope

Design Function Other

Structure Type Crib

Structure Type Other

Facing Type Timber

Facing Type Other

Year Installed 1990

Last Inspection 2021

Design Info Available No

Latitude 49.336278

Longitude -122.001583

Measurements

Max. Length (m) 12

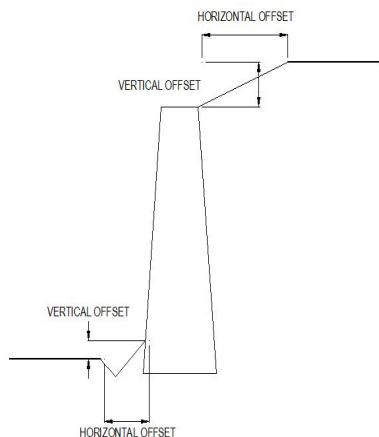
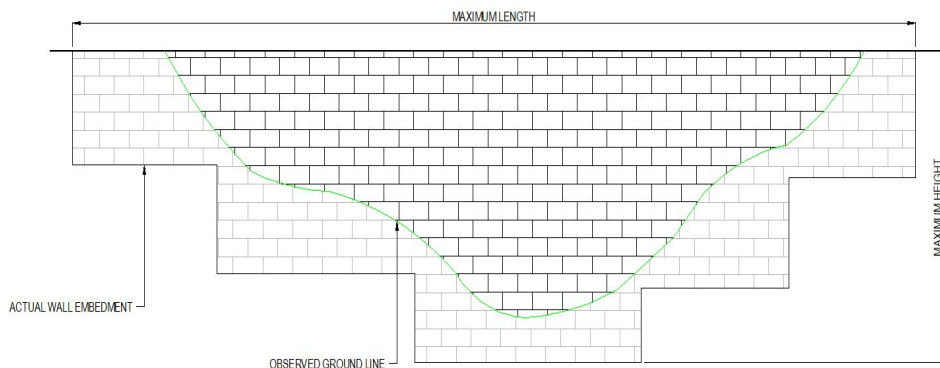
Max. Height (m) 6.5

Vertical Offset (m)

Horizontal Offset (m) 5.5

Barrier Length (m)

Road Width (m)



RWC-1004

2023 Inspection

Chehalis 12.6km



RWIP Offline v7 TEST 2

Primary Elements

	Rating	Comments
Retaining Wall Structure	Fair	Large log crib with steel cable lacing is good.
Drainage System	Good	Double 800 mm both draining well
Foundation Material	Poor	Scour underneath but logs look well embedded in either side.
Wall Movement Indicators	Good	

Secondary Elements

	Rating	Comments
Surface Drainage	Good	Well maintained ditch.
Road	Excellent	Active logging road well looked after.
Lateral Slope	Good	
Upslope	Good	
Downslope	Good	
Traffic Barrier	Poor	No barriers
Signage Delineators	Poor	Does not exist.
Vegetation	Yes	

RWC-1004
2023 Inspection

Chehalis 12.6km



RWIP Offline v7 TEST 2

Retaining Wall Inspection Report

Name of Inspector	<u>Daniel Stein</u>
Inspection Company	<u>Ministry of Forests</u>
Date of Inspection	<u>2023-05-02</u>
Professional Inspection Required	<u>Yes</u>
Overall Wall Condition Rating	<u>Fair</u>
Failure Consequence	<u>Moderate: Some loss of road prism intermittent or low exposure of people to constant exposure. May require some wall repair.</u>
Road Status	<u>Active</u>

Inspector Summary Comments

Prior to providing comments review previous inspection reports and design/construction information where available.

Continue to inspect and watch for rotten logs.

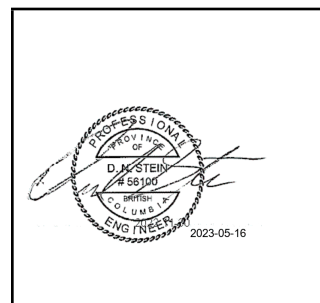
Sketch (Select Signature)

Provide sketch if required.

Inspector's Authentication:

The inspector is responsible for the quality and completeness of the inspection, unless working under direct supervision of a Professional Engineer.

Permit to practice number
(where applicable).



RWC-1004 2023 Inspection

Chehalis 12.6km



RWIP Offline v7 TEST 2

Monitoring, Maintenance & Repair Recommendations

Monitoring, maintenance and repair recommendations are provided by the inspector and finalized by the reviewing Ministry Engineer.

Monitoring, maintenance and repair items carry forward until completed (refer to previous inspection records).

Maintenance/Repair

Item	Status	Priority	Description	Ministry Engineer Comment

Monitoring

Item	Frequency	Description	Ministry Engineer Comment

RWC-1004
2023 Inspection

Chehalis 12.6km



RWIP Offline v7 TEST 2

Ministry Engineer Review

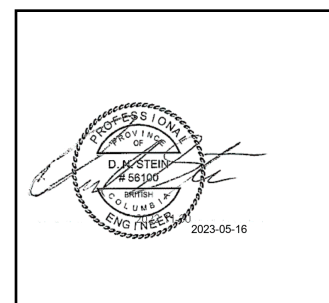
Name of Professional Engineer	<u>Daniel Stein P.Eng.</u>
Recommended inspection frequency	<u>3 years</u>
Recommended year of next inspection	<u>2026</u>

Professional Engineer Comments

Crib style retain wall with drainage still functioning. Likely not engineered.

Professional Engineer's Authentication:

The reviewing Professional Engineer is responsible for the review of the inspection report and any arising recommendations. The undersigned does not warrant or guarantee, nor accept any responsibility for the accuracy or completeness of the inspection or supervision of the inspector. Furthermore, the undersigned does not warrant or guarantee construction record information supplied or created by others not under the undersigned's direct supervision. By authenticating this report, the undersigned accepts responsibility for review of the report and information and recommendations provided by the undersigned.



1003022

Permit to practice number

RWC-1004
2023 Inspection

Chehalis 12.6km



RWIP Offline v7 TEST 2



From town approach



Foundation scour



From woods approach



Outlet of drain pipes



Inlet

RWC-1004
2023 Inspection

Chehalis 12.6km



RWIP Offline v7 TEST 2