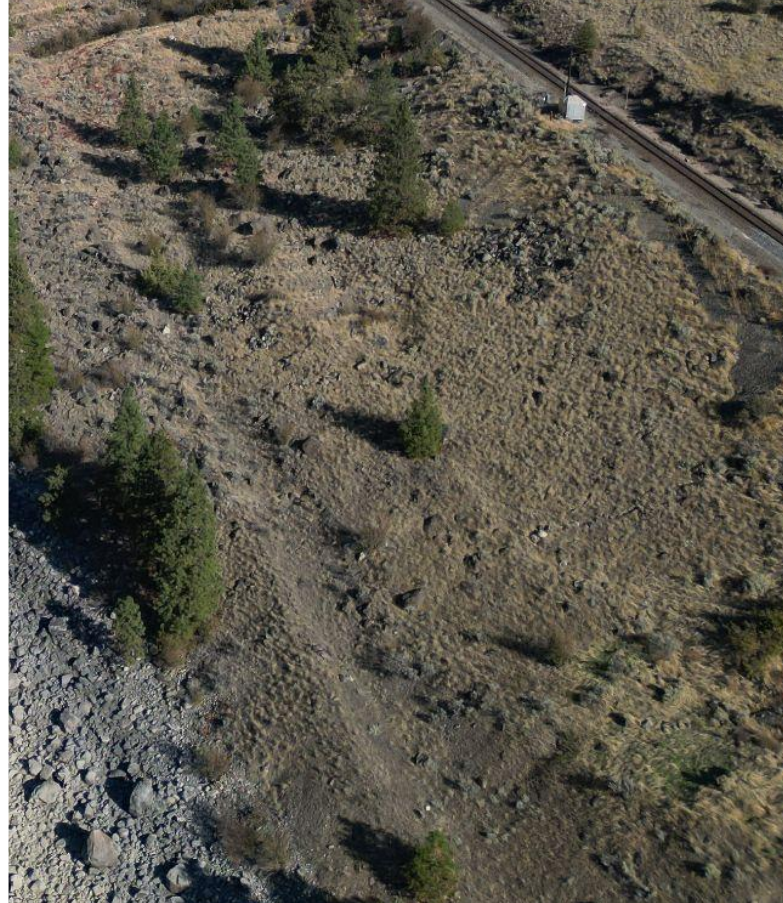




# Ministry of Environment Debris Action Plan

October 12, 2022



# Executive Summary

The total number of known debris sites across the province is 577. Removal of debris and clean up of debris sites is ongoing. The Phase 1 (debris removal prior to freshet) has been completed for all of the major watercourses, and has been moved to Appendix D. Phase 2 debris removal (post freshet) will address any remaining debris. The table below breaks down by each watercourse.

| Watercourse     | Outstanding Permits | Number of Known Debris Items (all identified, photographed and geotagged)   | Removal Timeline   |
|-----------------|---------------------|---|--|
| Nicola River    | None                | 115 debris sites identified of which: <ul style="list-style-type: none"> <li>● 82 debris sites have removal completed;</li> <li>● 21 have been assessed and concluded not to be removed or be removed by a third-party; and</li> <li>● 12 sites remaining identified.</li> </ul>            | <ul style="list-style-type: none"> <li>● Phase 2 large debris removal is wrapping up;</li> <li>● Linear debris removal along the Nicola is ongoing; and</li> <li>● Phase 2 permits conclude on Oct 15, 2022 for large anthropogenic debris removal.</li> </ul> |
| Coldwater River | None                | 82 debris sites identified of which: <ul style="list-style-type: none"> <li>● 65 debris sites have removal completed; and</li> <li>● 17 have been assessed and concluded not to be removed or be removed by a third-party.</li> </ul>   | <ul style="list-style-type: none"> <li>● All identified debris that was assessed for removal in Coldwater River has been completed.</li> </ul>   |
| Thompson River  | None                | 19 debris sites identified of which: <ul style="list-style-type: none"> <li>● 13 debris sites have removal completed;</li> <li>● 6 sites remaining identified.</li> </ul>   | <ul style="list-style-type: none"> <li>● Phase 2 large debris is complete; and</li> <li>● Linear debris removal along the Thompson is ongoing.</li> </ul>  |
| Tulameen River  | None                | 95 debris sites identified of which: <ul style="list-style-type: none"> <li>● 72 debris sites have removal completed; and</li> <li>● 22 have been assessed and concluded not to be removed or be removed by a third-party; and</li> </ul> This leaves 1 sites remaining as work in progress | <ul style="list-style-type: none"> <li>● Phase 2 heavy equipment work to remove large debris is in progress; and</li> <li>● Phase 2 instream work permits conclude on Oct 15, 2022.</li> </ul>   |

| Watercourse                           | Outstanding Permits | Number of Known Debris Items (all identified, photographed and geotagged)   | Removal Timeline   |
|---------------------------------------|---------------------|---|--|
| Similkameen River                     | None                | 53 debris sites identified of which: <ul style="list-style-type: none"> <li>● 42 debris sites have removal completed; and</li> <li>● 11 have been assessed and concluded not to be removed or be removed by a third-party.</li> </ul>   | <ul style="list-style-type: none"> <li>● All identified debris that was assessed for removal in the Similkameen River has been completed.</li> </ul>   |
| Fraser River                          | None                | 79 debris sites identified of which <ul style="list-style-type: none"> <li>● 66 debris sites has removal completed; and</li> <li>● 13 sites have been assessed and concluded not to be removed or be removed by a third-part</li> </ul>   | <ul style="list-style-type: none"> <li>● All large debris that was assessed for removal in the Fraser River has been completed.</li> <li>● Linear debris removal ongoing</li> <li>● MOF permit extension to Nov.30, 2022 issued Oct. 3.</li> </ul> |
| Chilliwack River & Vedder River/Canal | None                | 69 debris sites identified <ul style="list-style-type: none"> <li>● 59 debris sites has removal completed;</li> <li>● 8 have been assessed and concluded not to be removed or be removed by a third-party</li> </ul> This leaves 2 sites remaining as identified or work in progress. | <ul style="list-style-type: none"> <li>● Debris removal in progress.</li> <li>● Phase 2 in stream work permits concluded September 30, 2022</li> <li>● MOF permit extension to Nov.30, 2022 issued Oct. 3.</li> </ul>                              |
| Coquihalla River                      | None                | 51 debris sites identified of which: <ul style="list-style-type: none"> <li>● 40 debris sites have removal completed; and</li> <li>● 11 have been assessed and concluded not to be removed or to be removed by a third-party</li> </ul>   | <ul style="list-style-type: none"> <li>● Debris removal in progress.</li> <li>● Phase 2 in stream work permits concluded September 30, 2022.</li> <li>● MOF permit extension to Nov.30, 2022 issued Oct. 3.</li> </ul>                             |
| Other sites (Bella Coola & Kingcome)  | ARC, DFO and MOF    | 14 debris sites identified. <ul style="list-style-type: none"> <li>● 7 Bella Coola sites concluded not to be removed</li> <li>● 3 Kingcome sites concluded not to be removed; and</li> </ul> This leaves 4 sites remaining as identified or work in progress.                         | <ul style="list-style-type: none"> <li>● Removal expected in October 2022.</li> </ul>  |

# Executive Summary - continued

| Watercourse | Contractors   | First Nations Contacted To Date  |
|-------------|---|--|
| Nicola      | <ul style="list-style-type: none"> <li>● Debris removal: Quattro Constructors, Arnett &amp; Burgess (A&amp;B), Valley Helicopters, TRK Helicopters, Rock Solid Industries, Coastal Restoration Society (CRS), Ocean Legacy Foundation (OLF)</li> <li>● Qualified Environmental &amp; Archeological Professional: WSP-Golder</li> <li>● Field Work Management: Arnett &amp; Burgess (A&amp;B)</li> </ul> | <ul style="list-style-type: none"> <li>● Cooks Ferry IB: Continuous and ongoing</li> <li>● Shackan IB: Continuous and ongoing</li> <li>● Nooaitch IB: Continuous and ongoing</li> <li>● Lower Nicola IB: Continuous and ongoing</li> <li>● Coldwater IB: Continuous and ongoing</li> <li>● Lytton IB: Continuous and ongoing</li> </ul>  |
| Coldwater   | <ul style="list-style-type: none"> <li>● Debris removal: Quattro Constructors, Arnett &amp; Burgess (A&amp;B), Valley Helicopters, Rock Solid Industries, Coastal Restoration Society (CRS)</li> <li>● Qualified Environmental &amp; Archeological Professional: WSP-Golder</li> <li>● Field Work Management: Arnett &amp; Burgess (A&amp;B)</li> </ul>   | <ul style="list-style-type: none"> <li>● Cooks Ferry IB: Continuous and ongoing</li> <li>● Shackan IB: Continuous and ongoing</li> <li>● Nooaitch IB: Continuous and ongoing</li> <li>● Lower Nicola IB: Continuous and ongoing</li> <li>● Upper Nicola IB: Continuous and ongoing</li> <li>● Lytton IB: Continuous and ongoing</li> <li>● Coldwater IB: Continuous and ongoing</li> <li>● Nicomen IB: Continuous and ongoing</li> </ul> |
| Thompson    | <ul style="list-style-type: none"> <li>● Debris Removal: Quattro Constructors, Arnett &amp; Burgess, Valley Helicopters, Coastal Restoration Society (CRS)</li> <li>● Qualified Environmental &amp; Archeological Professional: WSP-Golder</li> <li>● Field Work Management: Arnett &amp; Burgess (A&amp;B)</li> </ul>  | <ul style="list-style-type: none"> <li>● Cooks Ferry: Continuous and ongoing</li> <li>● Nicomen IB: Continuous and ongoing</li> </ul>  |
| Tulameen    | <ul style="list-style-type: none"> <li>● Debris Removal: Clearview Demolition, Tri Valley Construction</li> <li>● Qualified Environmental &amp; Archeological Professional: Tetra Tech</li> <li>● Field Work Management: Clearview Demolition</li> </ul>  | <ul style="list-style-type: none"> <li>● Upper Similkameen IB: Continuous and ongoing</li> <li>● Lower Similkameen IB: Continuous and ongoing</li> </ul>   |



# Executive Summary - continued

| Watercourse                           | Contractors   | First Nations Contacted To Date   |
|---------------------------------------|---|---|
| Similkameen                           | <ul style="list-style-type: none"> <li>● Debris Removal: Clearview Demolition, Tri Valley Construction</li> <li>● Qualified Environmental &amp; Archeological Professional: Tetra Tech</li> <li>● Field Work Management: Clearview Demolition</li> </ul>  | <ul style="list-style-type: none"> <li>● Upper Similkameen IB: Continuous and ongoing</li> <li>● Lower Similkameen IB: Continuous and ongoing</li> </ul>                      |
| Fraser River                          | <ul style="list-style-type: none"> <li>● Debris Removal: Stqó:ya Construction</li> <li>● Qualified Environmental Professional: Stantec</li> <li>● Qualified Archeological Professional: Stolo Nation</li> <li>● Field Work Management: RAM Consulting</li> <li>● Linear Debris Removal : SWAT Consulting</li> </ul> | <ul style="list-style-type: none"> <li>● Mainland Coast Salish First Nations continuous and ongoing</li> <li>● Biweekly call with First Nations groups in progress</li> </ul> |
| Chilliwack River & Vedder River/Canal | <ul style="list-style-type: none"> <li>● Debris Removal: Stqó:ya Construction</li> <li>● Qualified Environmental Professional: Stantec</li> <li>● Qualified Archeological Professional: Stolo Nation</li> <li>● Field Work Management: RAM Consulting</li> <li>● Linear Debris Removal : SWAT Consulting</li> </ul> | <ul style="list-style-type: none"> <li>● Mainland Coast Salish First Nations continuous and ongoing</li> <li>● Biweekly call with First Nations groups in progress</li> </ul> |
| Coquihalla River                      | <ul style="list-style-type: none"> <li>● Debris Removal: Stqó:ya Construction</li> <li>● Qualified Environmental Professional: Stantec</li> <li>● Qualified Archeological Professional: Stolo Nation</li> <li>● Field Work Management: RAM Consulting</li> <li>● Linear Debris Removal : SWAT Consulting</li> </ul> | <ul style="list-style-type: none"> <li>● Mainland Coast Salish First Nations continuous and ongoing</li> <li>● Biweekly call with First Nations groups in progress</li> </ul> |

# Executive Summary - continued



**Total Debris Sites**  
**577**

**Total Debris Sites Remaining**  
**24**

**In Progress**  
**8**

**Total Debris Sites Removed**  
**432**

**Total Concluded Not to be Removed**  
**84**

**Debris identified and handed to 3rd party for resolution**  
**29**

# Overview

The Purpose of this document is to give the reader a pictorial overview of the debris sites (human-made and natural) found to date across the province of British Columbia that were affected by the November 2021 atmospheric river flooding event.

A list of known debris sites found to date are summarized under each watercourse section. In some cases the debris sites have human-made debris mixed with woody debris or debris that has been buried. The photos on the map may not always highlight all the debris in the area, they are updated as new information becomes available. There are ongoing assessments of known debris, as assessments are completed debris concluded as not in scope for removal will be shown as such on this document.

The identification, assessment and removal of work for Phase 1 has been completed and moved into Appendix D for all watercourses. Phase 1 refers to work completed prior to freshet. Phase 2 work is in progress.

|    | Watercourses   | Page |
|----|--|------|
| 1  | Nicola River (Highway 8; Spences Bridge to Merritt)    | 8    |
| 2  | Coldwater River (Highway 5)                            | 22   |
| 3  | Thompson River   | 33   |
| 4  | Merritt Region Linear Debris Removal                   | 41   |
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| 6  | Similkameen River                                      | 66   |
| 7  | Fraser River   | 79   |
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| 13 | Appendix B - Containment Sampling Plan                 | 127  |
| 14 | Appendix C - Glossary                                  | 130  |
| 15 | Appendix D - Phase 1 (December - April) Debris removal | 131  |



01

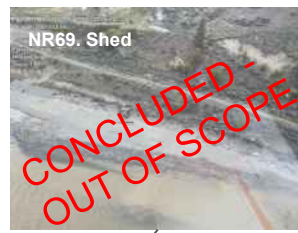
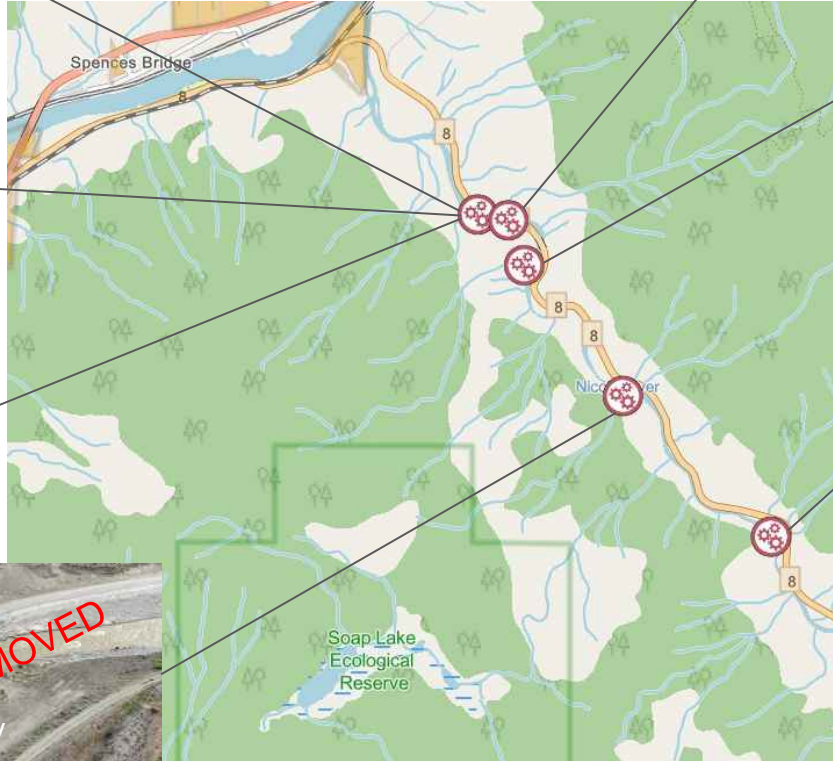
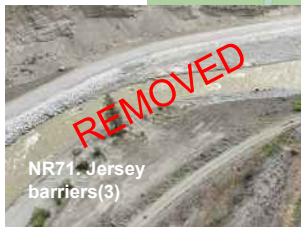
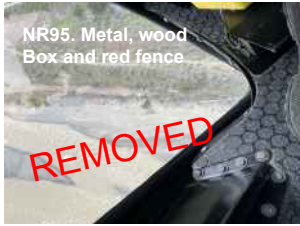
**Nicola River  
Highway 8:  
Spences  
Bridge to  
Merritt**



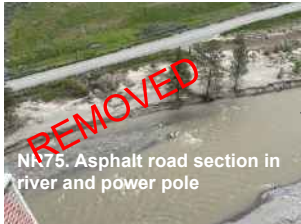
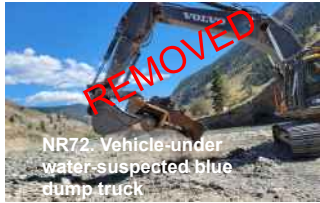
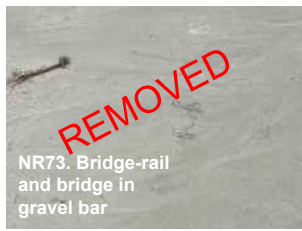
# Nicola River - Highway 8 - Spences Bridge to Merritt

| OVERVIEW  |   |   |   |
|---|---|---|---|
| Work objectives   | Community discussions status  | Known debris  | Permits status  |
| <p>1. Remove human made debris and any natural debris causing threat to either public safety or infrastructure.</p> <p>2. Preserve cultural and historically significant areas.</p> | <p>Ongoing communication with the bands and local authorities as the project planning progresses on specific operational matters.</p> <p>Recurring biweekly project update calls have been cancelled as of Sept 21 as debris removal program winds down and attendance at meeting decreases. New proposed leadership table will be set up to discuss future programs related to flood recovery efforts.</p> | <p>115 debris sites identified in total</p> <p>Phase 1 (see Appendix D)</p> <ul style="list-style-type: none"> <li>45 debris sites have removal completed;</li> <li>7 debris sites have been assessed and concluded not to be removed; and</li> <li>11 debris sites are to be completed by another ministry or others.</li> </ul> <p>Phase 2</p> <ul style="list-style-type: none"> <li>37 debris sites have removal completed;</li> <li>3 debris sites have been assessed and concluded not to be removed; and</li> <li>12 debris sites identified.</li> </ul> | <p>Permit applications for Phase 2 work submitted to MOF and DFO on Jun 15.</p> <p>Phase 1 permits included:</p> <ul style="list-style-type: none"> <li>ARC Heritage Investigation Permit 2021-0453; NOI was issued Feb 28;</li> <li>MOF Approval A3006975 issued for Feb 14; and</li> <li>DFO Authorization issued Feb 14 under Approval 22-HPAC-00156</li> </ul> <p>Phase 2 permits included:</p> <ul style="list-style-type: none"> <li>DFO Authorization issued Jul 18, 2022., Approval 22-HPAC-00816;</li> <li>MOF Approval A3006975 appended Jul 18 ,2022;</li> <li>Instream work to be completed by Aug 31, 2022; and</li> <li>Overall Phase 2 permit concludes Oct 15, 2022.</li> </ul> |

# Nicola River - Known Debris

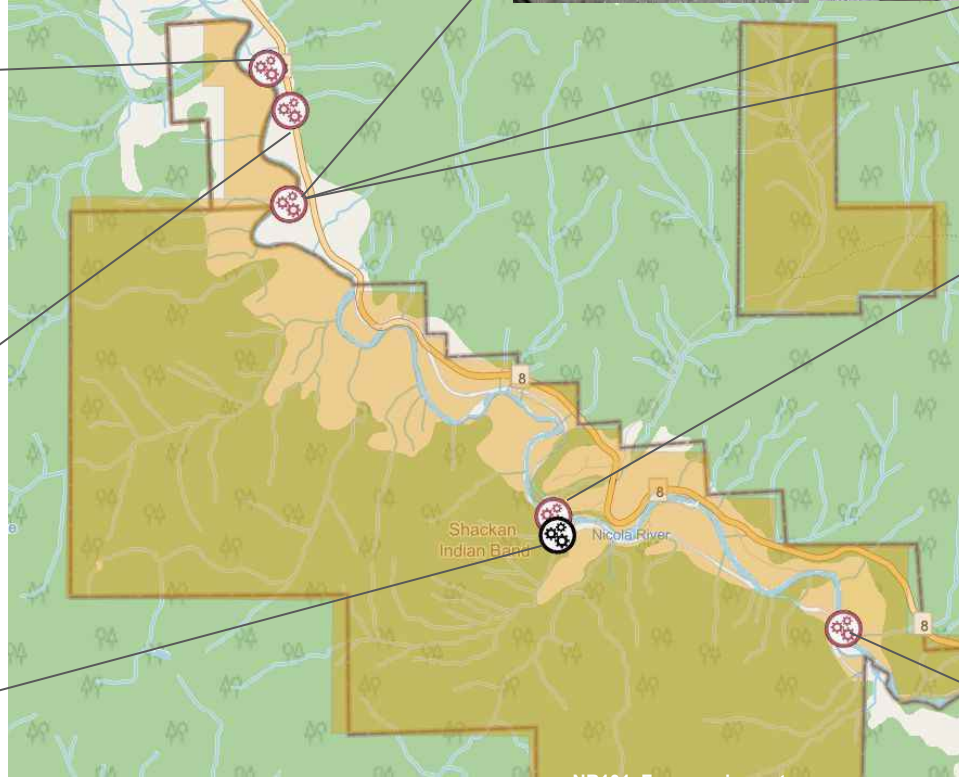


# Nicola River - Known Debris





# Nicola River - Known Debris



NR98. Metal frame, metal debris and cable spool

REMOVED

NR99. Blue Barrel, cars, furniture and industrial material

REMOVED



CONCLUDED  
OUT OF  
SCOPE



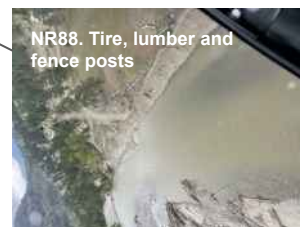
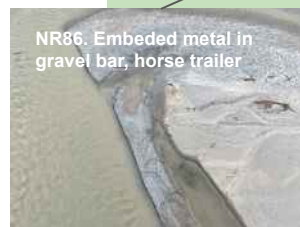
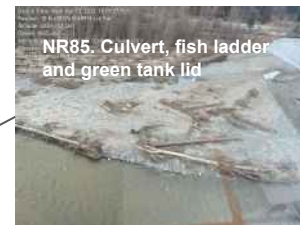
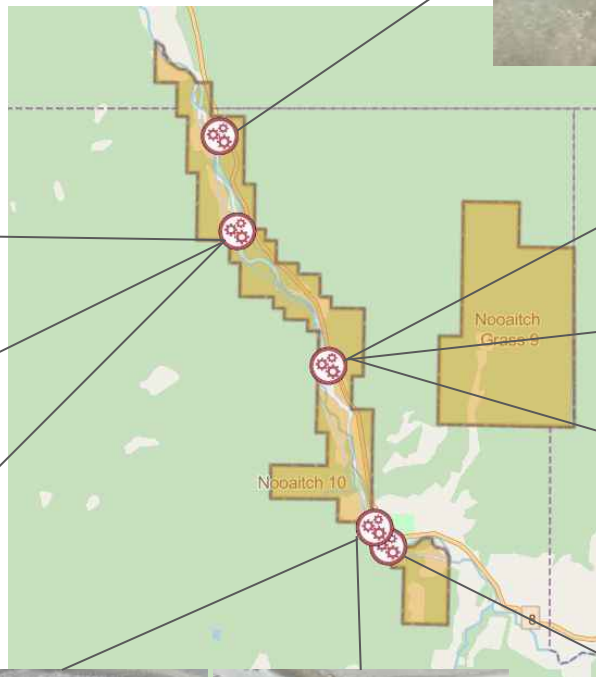
# Nicola River - Known Debris

NR81. Culvert

**REMOVED**



# Nicola River - Known Debris

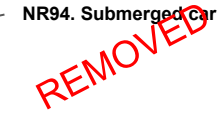
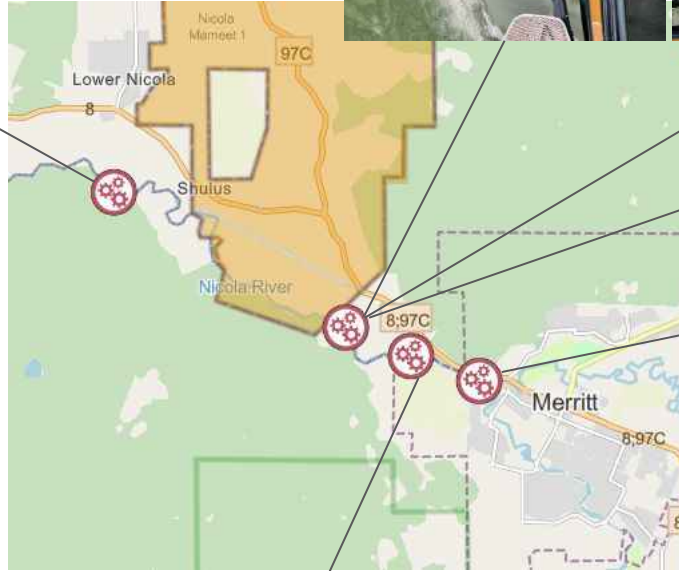
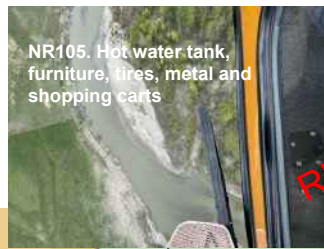


# Nicola River - Known Debris





# Nicola River - Known Debris





# Nicola River Response Action Plan

| Action plan for post-freshet work   | Estimated timeline for removal   |
|---|--|
| <ul style="list-style-type: none"> <li>• Debris will be assessed and human made debris that poses a high risk will be prioritized</li> <li>• Heavy equipment will include excavators, rock truck, flatbed trucks and other specialized equipment</li> <li>• Linear debris removal crews will be utilized for small anthropogenic debris</li> <li>• Helicopters will be utilized to support debris removal</li> <li>• Entrance routes and staging areas for equipment and debris are being reviewed and will be communicated to stakeholders prior to mobilization</li> <li>• Once debris has been removed from the waterway, contractors will follow waste management plans</li> <li>• Crews will stop work if human remains are found or unanticipated archaeological sites are discovered</li> <li>• Natural debris will be reviewed by QP, DFO and MOF to determine if it poses a threat to public safety and/or infrastructure</li> </ul> | <ul style="list-style-type: none"> <li>• Below are initial dates for removal to commence in the Nicola River and are subject to change as assessments are completed:               <ul style="list-style-type: none"> <li>○ NR-84, 85, 86, 88, 92, 101: moved from Paused to Identified</li> <li>○ NR-107, 109: to be completed by linear debris removal</li> <li>○ NR-118, 120: access pending</li> <li>○ NR-106: requires in-stream permit</li> </ul> </li> <li>• Additional debris has been added to the tables and maps will be updated to reflect that in the next report.</li> </ul> |
| Contractors involved  | Waste management process   |
| <p>Debris removal: Arnett &amp; Burgess (A&amp;B), Quattro Constructors, Valley Helicopters, Rock Solid Industries, LNSS, Coastal Restoration Society (CRS), Ocean Legacy Foundation (OLF), TRK Helicopters<br/>           Qualified Environmental &amp; Archeological Professional: WSP-Golder<br/>           Field Work Management: Arnett &amp; Burgess (A&amp;B)</p>  | <ul style="list-style-type: none"> <li>• Waste will be staged and sorted</li> <li>• Legal owners will be notified</li> <li>• Metals will be salvaged or recycled</li> <li>• Unsalvageable waste will be sent to landfills under proper disposal protocols</li> <li>• See Appendix A Waste Management Strategic Plan</li> </ul>   |

# Nicola River Response Action Plan

| Work completed prior week  | Upcoming work to be completed   |
|--|---|
| <ul style="list-style-type: none"><li>Continued with walkdowns of areas where work is completed;</li><li>Stated wrap up activities for large anthropogenic debris removal contractors; and</li><li>Continued with linear debris removal.</li></ul> | <ul style="list-style-type: none"><li>Complete linear debris removal along Nicola River;</li><li>Continue with wrap up activities;</li><li>Start survey along Nooaitch IB; and</li><li>Closing ceremony details to follow.</li></ul>  |
| Relevant contacts  | Debris removal close-out timeline:  |
| <p>Contact for Contractors questions: kirandeep.dhillon@pwc.com<br/>Contact for Ministry of Environment: doc.ops.eep@gov.bc.ca</p>   | <p>Close-out timeline is subject to change due to delays caused by heat, wildfires, and/or other external factors:</p> <ul style="list-style-type: none"><li>Final assessments for debris in the Nicola River are complete;</li><li>Instream debris removal completed on August 31, 2022 as per DFO and MOF permits;</li><li>Linear debris removal scheduled to be completed by mid-October 2022;</li><li>Close-out reports for Phase 2 to be submitted by mid-November 2022.</li></ul> |

# Nicola River

| Map ID | Contractor ID* | Description                                   | Type       | Status                   | Removal date |
|--------|----------------|---|------------|--------------------------|--------------|
| NR-28  | NI_28.7        | Cars, furniture and industrial parts          | Human-made | Concluded - Out of Scope | N/A          |
| NR-55  | N/A            | Black pipe in river                           | Human-made | Removed                  | TBD          |
| NR-69  | NI_2.7         | Shed  | Human-made | Concluded - Out of Scope | N/A          |
| NR-70  | NI_3.33        | Sheet Metal                                   | Human-made | Removed                  | 2022-08-13   |
| NR-71  | NI_4.97        | Jersey barriers(3)                            | Human-made | Removed                  | 2022-08-22   |
| NR-72  | NI_7.9         | Vehicle-under water-suspected blue dump truck | Human-made | Removed                  | 2022-07-26   |
| NR-73  | NI_8.7         | Bridge-rail visible in gravel bar             | Human-made | Removed                  | TBD          |
| NR-74  | NI_9           | Power pole on bank-wire across hwy 8          | Human-made | Removed                  | TBD          |
| NR-75  | NI_9.3_9.4     | Asphalt road section in river                 | Human-made | Removed                  | TBD          |
| NR-76  |                | Deleted and combined with NR-75               |            |                          |              |
| NR-77  | NI_10.9_3      | 3 culverts + road debris                      | Human-made | Removed                  | TBD          |
| NR-78  | NI_17.2_2      | Culvert x 2                                   | Human-made | Removed                  |              |
| NR-79  | NI_17.6        | Culvert in water                              | Human-made | Removed                  |              |
| NR-80  | NI_25          | LG Rail Bridge abutments in river (Shackan)   | Human-made | Removed                  | 2022-07-28   |
| NR-81  | NI_31          | Culvert                                       | Human-made | Removed                  | TBD          |
| NR-82  | NI_32.13       | KVR bridge abutments(Fx ranch)                | Human-made | Concluded - Out of Scope | TBD          |
| NR-83  | NI_33.9        | Misc. wood and metal                          | Human-made | Removed                  | TBD          |
| NR-84  | NI_38.2        | Culvert                                       | Human-made | Identified               | TBD          |
| NR-85  | NI_43.1_43.4   | Culvert, fish ladder and green tank lid       | Human-made | Identified               | TBD          |
| NR-86  | NI_46.85_47    | Embedded metal in gravel bar, horse trailer   | Human-made | Identified               | TBD          |
| NR-87  |                | Deleted and combined with NR-86               |            |                          |              |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# Nicola River

| Map ID | Contractor ID*             | Description  | Type       | Status     | Removal date |
|--------|----------------------------|--|------------|------------|--------------|
| NR-88  | NI_47.5                    | Tire, lumber and fence posts                               | Human-made | Identified | TBD          |
| NR-89  | NI_51.4                    | Red object in water, buried car                            | Human-made | Removed    | 2022-08-03   |
| NR-90  | NI_52.0                    | Truck + other red car part                                 | Human-made | Removed    | 2022-07-27   |
| NR-91  | NI_53.9                    | Metal Frame  | Human-made | Removed    | 2022-08-22   |
| NR-92  | NI_64.24                   | Red object in water  | Human-made | Identified | TBD          |
| NR-93  | NI_71.25                   | Metal frame  | Human-made | Removed    | TBD          |
| NR-94  | N/A                        | Submerged car  | Human-made | Removed    | 2022-07-25   |
| NR-95  | NI_2.4                     | Metal, wood Box and red fence                              | Human-made | Removed    |              |
| NR-96  | NI_6.95                    | Stranded vehicles  | Human-made | Removed    | TBD          |
| NR-97  | NI_11.3                    | Culvert, blue pipe and unknown debris                      | Human-made | Removed    | TBD          |
| NR-98  | NI_18.7                    | Metal frame, metal debris and cable spool                  | Human-made | Removed    | TBD          |
| NR-99  | NI_24.7                    | Blue Barrel, cars, furniture and industrial material       | Human-made | Removed    | TBD          |
| NR-100 | NI_31.1                    | Metal road sign pole and metal roof pieces                 | Human-made | Removed    | TBD          |
| NR-101 | NI_40                      | Farm equipment, black fridge and sheet metal               | Human-made | Identified | TBD          |
| NR-102 |                            | Deleted and combined with NR-85                            |            |            |              |
| NR-103 | NI_56.6                    | Metal debris, furniture and tires                          | Human-made | Removed    | TBD          |
| NR-104 | NI_60.05                   | Pipes, metal and wood debris                               | Human-made | Removed    | TBD          |
| NR-105 | NI_69.88                   | Hot water tank, furniture, tires, metal and shopping carts | Human-made | Removed    | TBD          |
| NR-106 | NI_1.5<br>NI_1.8           | Jersey barriers  | Human-made | Identified | TBD          |
| NR-107 | NI_4.88                    | Red fence  | Human-made | Identified | TBD          |
| NR-108 | NI_7.1<br>NI_7.3<br>NI_7.7 | Metal roof, telephone poles and pipe                       | Human-made | Removed    | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.



# Nicola River

| Map ID | Contractor ID*                               | Description   | Type       | Status     | Removal date |
|--------|--|---|------------|------------|--------------|
| NR-109 | NI_8.1<br>NI_8.3<br>NI_8.7                   | Fencing, piping, pieces of asphalt on bank, metal roof  | Human-made | Identified | TBD          |
| NR-110 | NI_10.2<br>NI_10.4<br>NI_10.7                | Jersey barriers and pipe  | Human-made | Identified | TBD          |
| NR-111 | NI_13.4<br>NI_13.5<br>NI_13.7                | Misc. debris, winch, shed   | Human-made | Removed    | TBD          |
| NR-112 | NI_13.9                                      | Machinery   | Human-made | Removed    | TBD          |
| NR-113 | NI_14.7                                      | Culvert   | Human-made | Removed    | TBD          |
| NR-114 | NI_14.8                                      | Concrete foundation   | Human-made | Removed    | TBD          |
| NR-115 | NI_26.8                                      | Seacan door   | Human-made | Removed    | TBD          |
| NR-116 | NI_28.2                                      | Irrigation pipe   | Human-made | Removed    | TBD          |
| NR-117 | NI_51.70                                     | Metal sheets on bank  | Human-made | Removed    | TBD          |
| NR-118 | NI_56.6<br>NI_56.8<br>NI_57.2                | Metal sheets, metal roofing   | Human-made | Identified | TBD          |
| NR-119 | NI_58.15<br>NI_58.60<br>NI_58.85<br>NI_59.24 | Metal sheeting, metal debris in channel, tires in channel   | Human-made | Removed    | TBD          |
| NR-120 | NI_59.3                                      | Metal, appliance, cement pieces, black appliance  | Human-made | Identified | TBD          |
| NR-121 | NI_60.3<br>NI_61<br>NI_62<br>NI_63.8         | Blue pipe on channel bar, metal, unidentified appliance, misc. debris, wood roof, painted wood, debris pile on bank | Human-made | Removed    | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.



02

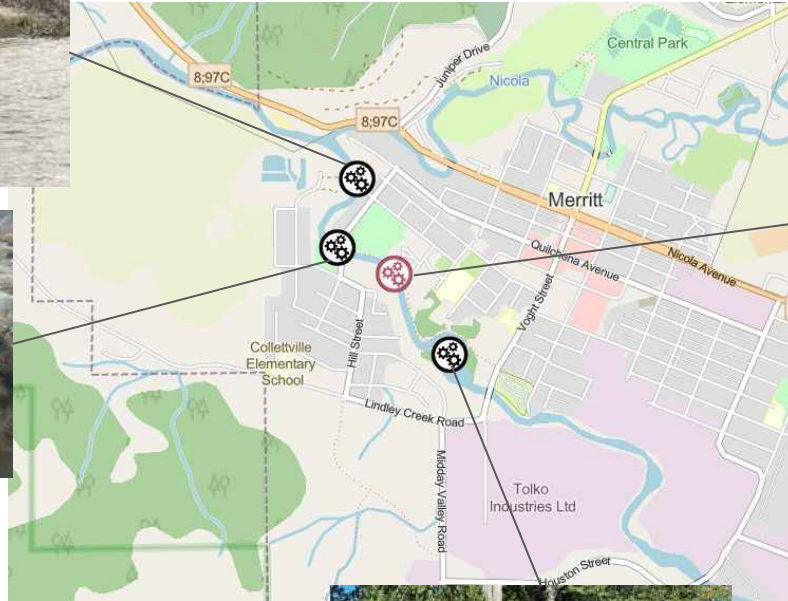
Coldwater  
River:  
Highway 5

# Coldwater River - Highway 5

## OVERVIEW

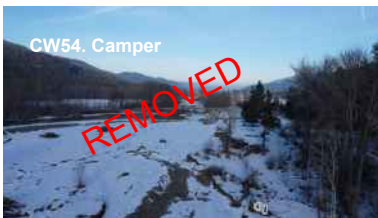
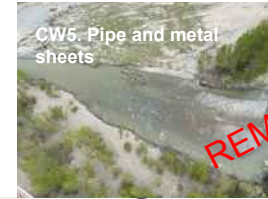
| Work objectives  | Community discussions status  | Known debris  | Permits status   |
|--|---|---|--|
| <ol style="list-style-type: none"> <li>1. Remove human made debris and any natural debris causing threat to either public safety or infrastructure.</li> <li>2. Preserve cultural and historically significant areas.</li> </ol> | <p>Ongoing communication with the bands and local authorities as the project planning progresses on specific operational matters.</p> <p>Recurring biweekly project update calls have been cancelled as of Sept 21 as debris removal program winds down and attendance at meeting decreases. New proposed leadership table will be set up to discuss future programs related to flood recovery efforts.</p> | <p>82 debris sites identified in total</p> <p>Phase 1 (see Appendix D)</p> <ul style="list-style-type: none"> <li>● 29 debris sites have removal completed;</li> <li>● 9 debris sites have been assessed and concluded not to be removed; and</li> <li>● 5 debris sites are to be completed by another ministry or others.</li> </ul> <p>Phase 2</p> <ul style="list-style-type: none"> <li>● 36 debris sites have removal completed;</li> <li>● 2 debris sites has been assessed and concluded not to be removed; and</li> <li>● 1 debris site to be completed by another ministry or others.</li> </ul> | <p>Permit applications for Phase 2 work submitted to MOF and DFO on Jun 15.</p> <p>Phase 1 permits included:</p> <ul style="list-style-type: none"> <li>● ARC Heritage Investigation Permit 2021-0453; NOI was issued Feb 28;</li> <li>● MOF Approval A3006975 issued for Feb 14; and</li> <li>● DFO Authorization issued Feb 14 under Approval 22-HPAC-00156; and</li> <li>● Juliet Creek MOF approval issued Mar 7 under Approval A3007002</li> </ul> <p>Phase 2 permits include</p> <ul style="list-style-type: none"> <li>● DFO Authorization issued Jul 18, 2022., Approval 22-HPAC-00816;</li> <li>● MOF Approval A3006975 appended Jul 18 ,2022;</li> <li>● Instream work to be completed by Aug 31, 2022; and</li> <li>● Overall Phase 2 permit concludes Oct 15, 2022.</li> </ul> |

# Coldwater River





# Coldwater River





# Coldwater River

CW73. Blue barrels, green metal and scrap tin metal



CW55 Steel Trailer frame



CW39. Metal objects



CW73. Blue barrels, green metal and scrap tin metal



CW61. Green roof piece + other metal piece



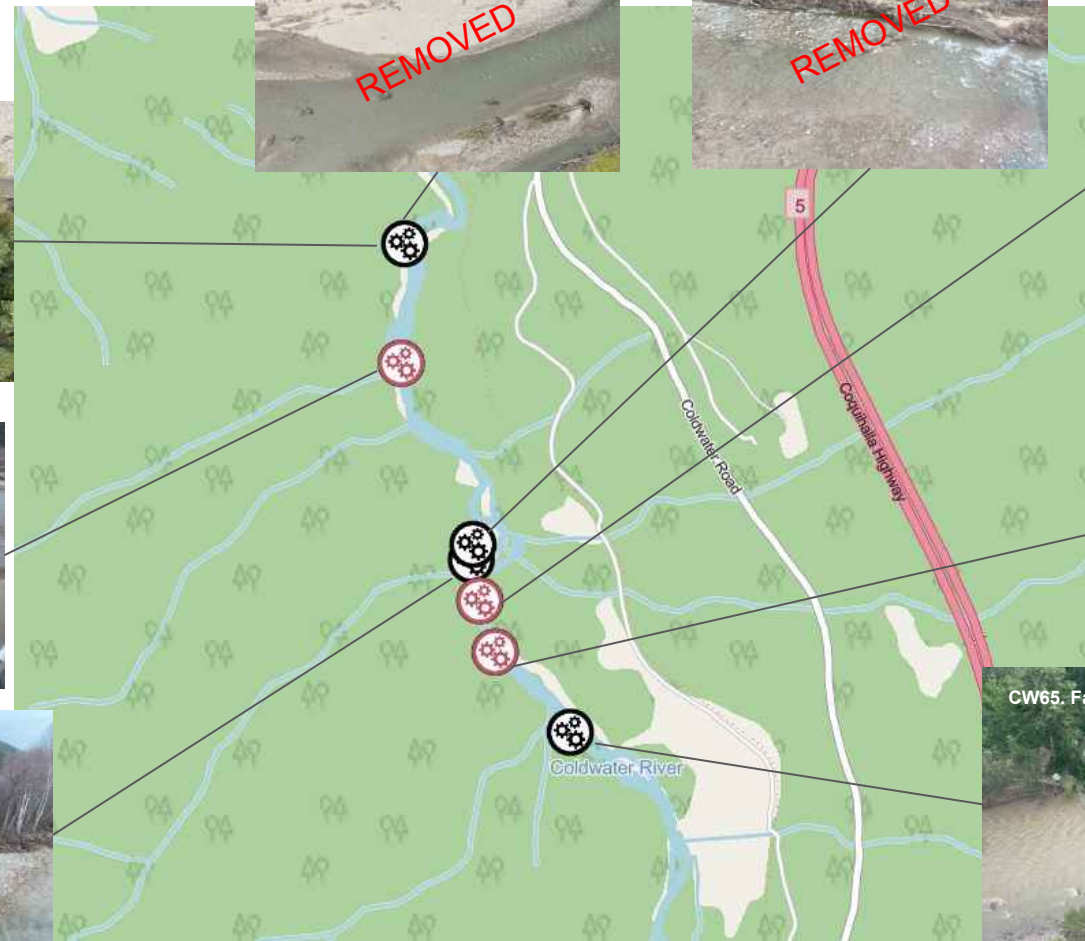
CW59. Green roof piece



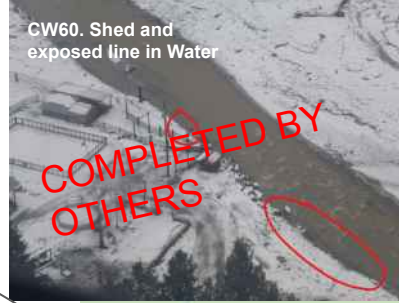
CW56. Culvert on farm bank



CW65. Farm equipment in stream



# Coldwater River



# Coldwater River Response Action Plan

| Action plan for post-freshet work  | Estimated timeline for removal  |
|--|---|
| <ul style="list-style-type: none"> <li>• Debris will be assessed and human made debris that poses a high risk will be prioritized</li> <li>• Linear debris removal crews will be utilized for small anthropogenic debris</li> <li>• Helicopters will be utilized to support debris removal</li> <li>• Entrance routes and staging areas for equipment and debris is being reviewed and will be communicated for each location with stakeholders prior to mobilization into each work area</li> <li>• Where bridge piece dismantling will specialised equipment, including cranes and cutting torches</li> <li>• Once debris has been removed from the waterway, contractors will follow waste management plans</li> <li>• Crews will stop work if human remains are found or unanticipated archaeological sites are discovered</li> <li>• Natural debris will be reviewed by QP, DFO and MOF to determine if it poses a threat to public safety and/or infrastructure</li> </ul> | <ul style="list-style-type: none"> <li>• All identified debris that was assessed for removal has been completed.</li> </ul>   |
| Contractors involved   | Waste management process  |
| <p>Debris removal: Arnett &amp; Burgess (A&amp;B), Quattro Constructors, Valley Helicopters, Rock Solid Industries, Coastal Restoration Society (CRS)<br/>           Qualified Environmental &amp; Archeological Professional: WSP-Golder<br/>           Field Work Management: Arnett &amp; Burgess</p>   | <ul style="list-style-type: none"> <li>• Waste will be staged and sorted</li> <li>• Metals will be salvaged or recycled</li> <li>• Unsalvageable waste will be sent to landfills under proper disposal protocols</li> <li>• See Appendix A Waste Management Strategic Plan</li> </ul> |

# Coldwater River Response Action Plan

| Work completed prior week  | Upcoming work to be completed  |
|--|--|
| <ul style="list-style-type: none"><li>N/A</li></ul>  | <ul style="list-style-type: none"><li>All identified debris that was assessed for removal has been completed; and</li><li>Closing ceremony details to follow.</li></ul>  |
| Relevant contacts  | Debris removal close-out timeline:   |
| <p>Contact for Contractors questions: <a href="mailto:kirandeep.dhillon@pwc.com">kirandeep.dhillon@pwc.com</a><br/>Contact for Ministry of Environment: <a href="mailto:doc.ops.eep@gov.bc.ca">doc.ops.eep@gov.bc.ca</a></p> | <p>Close-out timeline is subject to change due to delays caused by heat, wildfires, and/or other external factors:</p> <ul style="list-style-type: none"><li>Final debris assessment of Coldwater River is complete;</li><li>All identified debris that was assessed for removal is complete;</li><li>Contractors working to finalize the turnover documents, expected mid-October 2022; and</li><li>Close-out reports for Phase 2 to be submitted by mid-November 2022.</li></ul> |

# Coldwater River

| Map ID | Contractor ID*   | Description   | Type       | Status                        | Removal date |
|--------|------------------|---|------------|-------------------------------|--------------|
| CW-5   | CW_5.3<br>CW_5.8 | Pipe, metal sheets, roof, green metal                                     | Human-made | Removed                       | TBD          |
| CW-39  | CW_31.3_31.4     | Metal objects   | Human-made | Removed                       | TBD          |
| CW-44  | CW_25.9          | Culvert and other concrete pieces   | Human-made | Removed                       | TBD          |
| CW-49  | CW_0.7           | Door mid channel  | Human-made | Removed                       | 2022-08-02   |
| CW-50  | CW_1.0<br>CW_1.1 | Small debris jam mid-channel, submerged metal                             | Human-made | Removed                       | TBD          |
| CW-51  | CW_1.5           | Concrete structure in channel   | Human-made | Removed                       | 2022-08-05   |
| CW-52  | CW_14.9          | Boat or sled piece  | Human-made | Removed                       | TBD          |
| CW-53  | CW_15.3          | White metal in water  | Human-made | Removed                       | TBD          |
| CW-54  | CW_27.0          | Camper  | Human-made | Removed                       | 2022-07-18   |
| CW-55  | CW_31.1          | Steel Trailer frame   | Human-made | Removed                       | 2022-08-02   |
| CW-56  | CW_31.2          | Culvert on farm bank  | Human-made | Removed                       | 2022-08-02   |
| CW-57  | N/A              | Deleted, was a duplicate of CW-39   |            |                               |              |
| CW-58  | N/A              | Deleted, was a duplicate of CW-39   |            |                               |              |
| CW-59  | CW_31.6          | Green roof piece  | Human-made | Removed                       | TBD          |
| CW-60  | CW_37.6          | Shed and exposed line in Water- Land Owner - to be reassessed after flood | Human-made | Completed by Others           | TBD          |
| CW-61  | CW_39.2          | Green roof piece + other metal piece                                      | Human-made | Removed                       | TBD          |
| CW-62  | CW_64_64.9       | Log jam   | Natural    | Concluded - Not to be Removed | TBD          |
| CW-63  | N/A              | Deleted and combined with CW-62   |            |                               |              |
| CW-64  | N/A              | Deleted, was a duplicate of CW-69   |            |                               |              |
| CW-65  | CW_32            | Farm equipment in stream  | Human-made | Removed                       | 2022-08-02   |
| CW-66  | CW_51.3          | Concrete abutment   | Human-made | Removed                       | 2022-08-13   |
| CW-67  | CW_62.8          | Access mat in channel   | Human-made | Removed                       | 2022-07-26   |
| CW-68  | CW_63.0          | Culvert on gravel bar   | Human-made | Removed                       | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.



# Coldwater River

| Map ID | Contractor ID*     | Description   | Type       | Status                        | Removal date |
|--------|--------------------|---|------------|-------------------------------|--------------|
| CW-69  | CW_0.3             | Culvert on bank   | Human-made | Removed                       | 2022-07-26   |
| CW-70  |                    | Deleted, was a duplicate of CW-5  |            |                               |              |
| CW-71  | CW_9.0             | Culvert   | Human-made | Concluded - Not to be Removed | TBD          |
| CW-72  | CW_23.0            | Culvert and blue barrels  | Human-made | Removed                       | TBD          |
| CW-73  | CW_29.8            | Blue barrels, green metal and scrap tin metal   | Human-made | Removed                       | 2022-08-02   |
| CW-74  | CW_33.35           | Blue barrel and metal box   | Human-made | Removed                       | TBD          |
| CW-75  | CW_60              | Yellow and blue barrels   | Human-made | Removed                       | 2022-08-30   |
| CW-76  | N/A                | Concrete  | Human-made | Removed                       | 2022-08-30   |
| CW-77  | CW_0.8             | Misc. debris  | Human-made | Removed                       | TBD          |
| CW-78  | CW_1.6<br>CW_1.8   | Concrete rings and misc. debris in long piles   | Human-made | Removed                       | TBD          |
| CW-79  | CW_2.5             | Concrete in root ball   | Human-made | Removed                       | TBD          |
| CW-80  | CW_3.1<br>CW_3.2   | Metal pipe in river, buried post and blue pipe  | Human-made | Removed                       | TBD          |
| CW-81  | CW_22.8            | Culvert   | Human-made | Removed                       | TBD          |
| CW-82  | CW_24.6<br>CW_25.9 | Blue barrel and culvert   | Human-made | Removed                       | TBD          |
| CW-83  | CW_27<br>CW_27.8   | Asphalt, lumber, fence post and plastic all in log jams   | Human-made | Removed                       | TBD          |
| CW-84  | CW_29.8 to CW_30.9 | Blue barrels, green metal, scrap tin  | Human-made | Removed                       | TBD          |
| CW-85  | CW_31.3 to CW_31.4 | Roof piece, metal culvert, green object, sheet metal, and green piece of metal                      | Human-made | Removed                       | TBD          |
| CW-86  | CW_34.8 to 37.6    | Plywood, rail ties, concrete, power pole, plywood, lumber, barrels, dimensional lumber, roof pieces | Human-made | Removed                       | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# Coldwater River

| Map ID | Contractor ID*    | Description                                | Type       | Status  | Removal date |
|--------|-------------------|--|------------|---------|--------------|
| CW-87  | CW_40             | Culvert                                    | Human-made | Removed | TBD          |
| CW-88  | CW_44             | Misc. debris                               | Human-made | Removed | TBD          |
| CW-89  | CW_60<br>CW_61.35 | Various barrels (yellow and blue coloured) | Human-made | Removed | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.



03

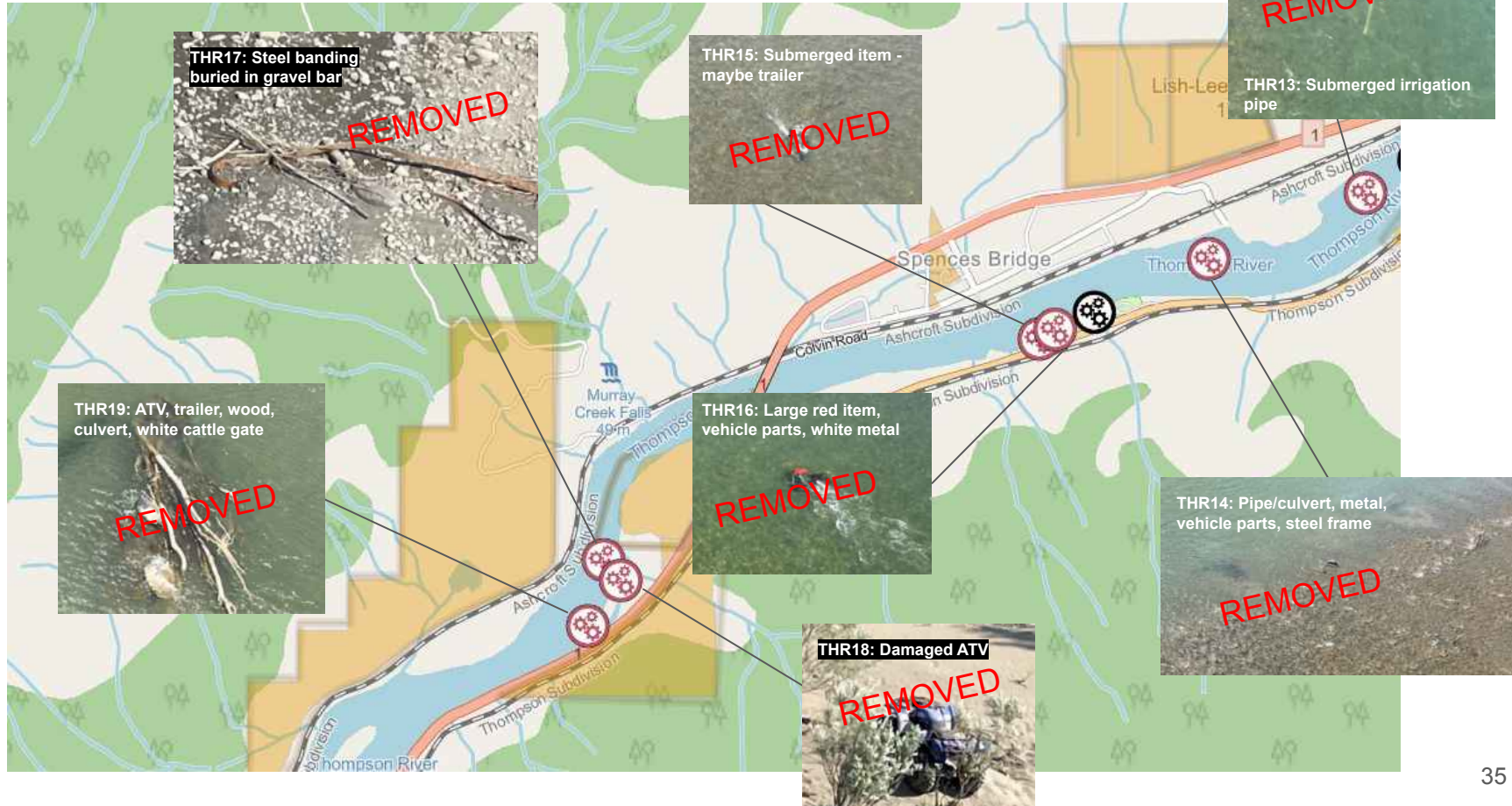
# Thompson River

# Thompson River

| OVERVIEW   |   |  |   |
|--|---|--|---|
| Work objectives  | Community discussions status  | Known debris   | Permits status  |
| <ol style="list-style-type: none"> <li>1. Remove human made debris and any natural debris causing threat to either public safety or infrastructure</li> <li>2. Preserve cultural and historically significant areas</li> </ol> | <p>Ongoing communication with the bands and local authorities as the project planning progresses on specific operational matters.</p> <p>Recurring biweekly project update calls have been cancelled as of Sept 21 as debris removal program winds down and attendance at meeting decreases. New proposed leadership table will be set up to discuss future programs related to flood recovery efforts.</p> | <p>19 debris sites identified in total</p> <p>Phase 1 (see Appendix D)</p> <ul style="list-style-type: none"> <li>• 6 debris sites have removal completed.</li> </ul> <p>Phase 2</p> <ul style="list-style-type: none"> <li>• 7 debris sites are in progress;</li> <li>• 6 debris sites identified for removal.</li> </ul> | <p>Water levels had dropped , making large anthropogenic debris sites visible. WSP-Golder has been in communication with the regulatory bodies to determine next steps and permit requirements</p> <p>Phase 1 permits included:</p> <ul style="list-style-type: none"> <li>• ARC Heritage Investigation Permit 2021-0453; NOI was issued Feb 28;</li> <li>• MOF Approval A3007030 issued for Apr 15; and</li> <li>• DFO Authorization issued Apr 11 under Approval 22-HPAC-00305.</li> </ul> <p>Phase 2 permits included:</p> <ul style="list-style-type: none"> <li>• MOF Approval A3007030 issued for Apr 15; and amended Sept 20th approved extension of permit to Oct. 15, 2022 with conditions.</li> <li>• DFO Authorization issued April 11 under Approval 22-HPAC-00305; and amended Sept 28th approved extension of permit to Oct. 15, 2022 with conditions.</li> </ul> |



# Thompson River





# Thompson River



# Thompson Response Action Plan

| Action plan for post-freshet work   | Estimated timeline for removal   |
|---|--|
| <ul style="list-style-type: none"> <li>• Debris will be assessed and human made debris that poses a high risk will be prioritized</li> <li>• Linear debris removal crews will be utilized for small anthropogenic debris</li> <li>• Helicopters will be utilized to support debris removal</li> <li>• Entrance routes and staging areas for equipment and debris is being reviewed and will be communicated asap</li> <li>• Once debris has been removed from the waterway, contractors will follow waste management plans</li> <li>• Crew will stop work if human remains are found or unanticipated archaeological sites are discovered</li> <li>• Natural debris will be reviewed by QP, DFO and MOF to determine if it poses a threat to public safety and/or infrastructure</li> </ul> | <ul style="list-style-type: none"> <li>• Below are initial dates for removal to commence in the Thompson River and are subject to change as assessments are completed:               <ul style="list-style-type: none"> <li>◦ THR-5, 6, 10, 11, 12: to be completed during linear debris work</li> </ul> </li> <li>• Updated timelines will be provided in future reports; and</li> <li>• Closing ceremony details to follow.</li> </ul> |
| Contractors involved  | Waste management process   |
| <p>Debris removal: Arnett &amp; Burgess (A&amp;B), Quattro Constructors, Valley Helicopters, Coastal Restoration Society (CRS)<br/>           Qualified Environmental &amp; Archeological Professional: WSP-Golder<br/>           Field Work Management: Arnett &amp; Burgess</p>   | <ul style="list-style-type: none"> <li>• Waste will be staged and sorted</li> <li>• Legal owners will be notified</li> <li>• Metals will be salvaged or recycled</li> <li>• Unsalvageable waste will be sent to landfills under proper disposal protocols</li> <li>• See Appendix A Waste Management Strategic Plan</li> </ul>   |

# Thompson Response Action Plan

| Work completed prior week  | Upcoming work to be completed  |
|--|--|
| <ul style="list-style-type: none"><li>• Completed removal of large anthropogenic debris;</li><li>• Started demobilization of equipment; and</li><li>• Continued with linear debris survey.</li></ul>                         | <ul style="list-style-type: none"><li>• Continue with linear debris survey;</li><li>• Linear debris along Thompson River; and</li><li>• Closing ceremony details to follow.</li></ul>  |
| Relevant contacts  | Debris removal close-out timeline:   |
| <p>Contact for Contractors questions: <a href="mailto:kirandeep.dhillon@pwc.com">kirandeep.dhillon@pwc.com</a><br/>Contact for Ministry of Environment: <a href="mailto:doc.ops.eep@gov.bc.ca">doc.ops.eep@gov.bc.ca</a></p> | <p>Close-out timeline is subject to change due to delays caused by heat, wildfires, and/or other external factors:</p> <ul style="list-style-type: none"><li>• Final debris assessments of the Thompson River are currently being completed and documented;</li><li>• Instream debris removal completed on August 31, 2022 as per DFO and MOF permits;</li><li>• Large anthropogenic debris scheduled to finalize by mid-October 2022 and contractors demobilized by October 31, 2022; and</li><li>• Close-out reports for Phase 2 to be submitted by mid-November 2022.</li></ul> |

# Thompson River

| Map ID | Contractor ID*   | Description  | Type       | Status     | Removal date |
|--------|------------------|--|------------|------------|--------------|
| THR-5  | N/A              | Pieces of wood in and on the banks of the river                | Natural    | Identified | TBD          |
| THR-6  | N/A              | Wood and paper scraps on banks.                                | Natural    | Identified | TBD          |
| THR-9  | TR_3.15          | Lumber, pallets, plywood, wood panels                          | Human-made | Identified | TBD          |
| THR-10 | TR_11.91         | Wooden object (furniture)                                      | Human-made | Identified | TBD          |
| THR-11 | TR_14.33         | Lumber, plywood, pallets, building pieces                      | Human-made | Identified | TBD          |
| THR-12 | TR_25.60         | White debris edge water  | Human-made | Identified | TBD          |
| THR-13 | TR_37.6_Heavy1   | Submerged irrigation pipe                                      | Human-made | Removed    | TBD          |
| THR-14 | TR_37.9          | Submerged pipe/culvert, metal, vehicle parts and steel frame   | Human-made | Removed    | TBD          |
| THR-15 | TR_37.1_Trailer  | Submerged item - looks like a trailer, black                   | Human-made | Removed    | TBD          |
| THR-16 | TR_37.2          | Large submerged item red in colour, vehicle parts, white metal | Human-made | Removed    | TBD          |
| THR-17 | TR_35_Heavy7     | Steel banding buried in gravel bar                             | Human-made | Removed    | TBD          |
| THR-18 | TR_34.9_Spences9 | Damaged ATV on gravel bar                                      | Human-made | Removed    | TBD          |
| THR-19 | TR_34.8          | Submerged ATV, trailer, wood, culvert, white cattle gate       | Human-made | Removed    | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# Thompson River Field Progress



*Debris removal along Thompson River*



*Removing debris from Thompson River*



*Debris being loaded for removal*

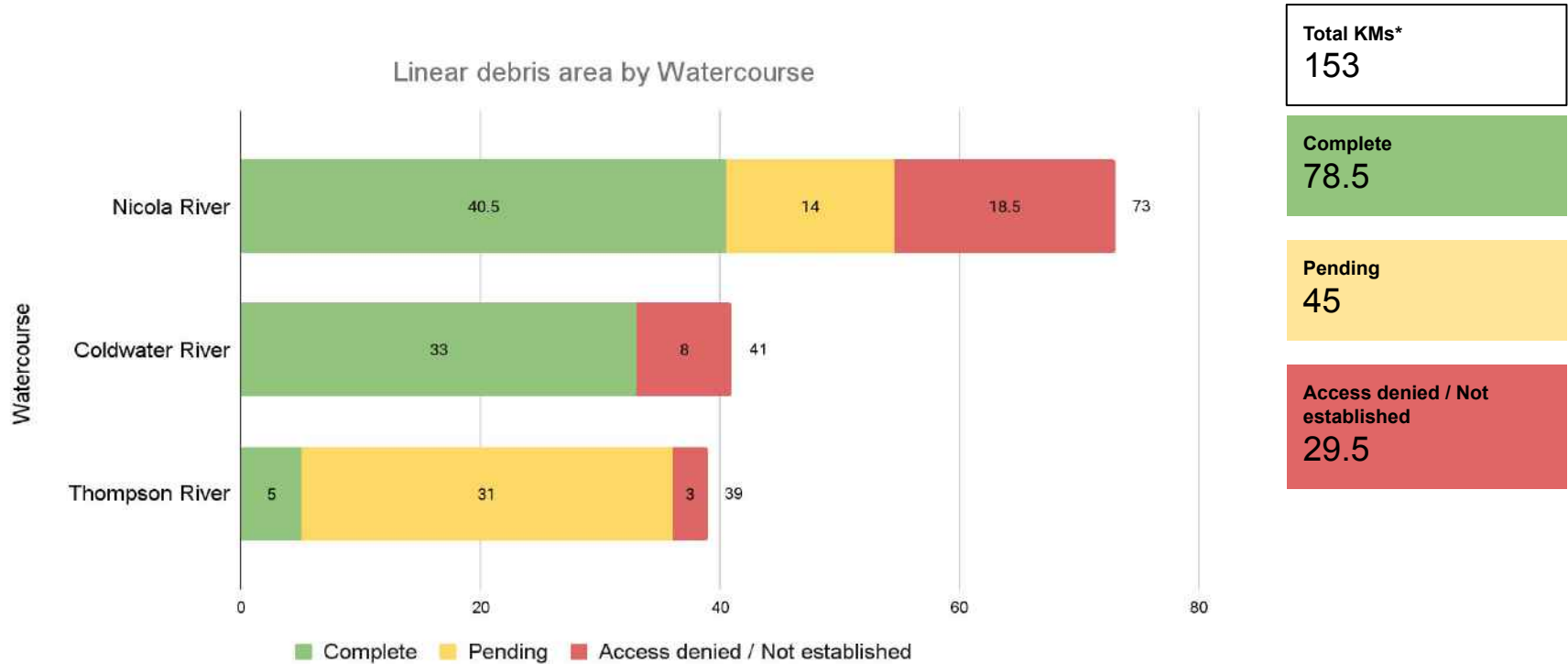




04

# Merritt Region Linear Debris Removal

# Linear Debris Progress in KMs - Merritt Region Phase 2



\* Total KMs will change as surveys are completed.

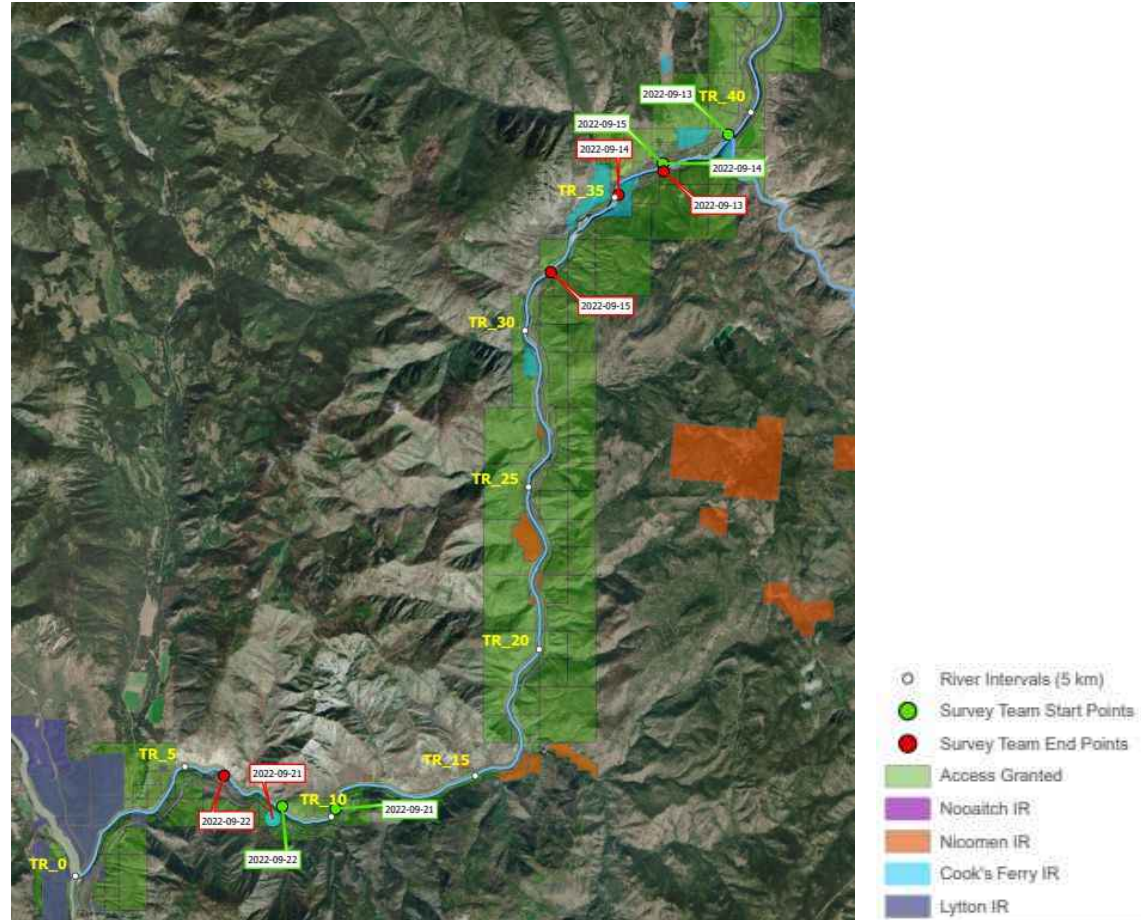
# Linear Debris Progress - Merritt Region

| Work completed prior week  | Upcoming work to be completed  |
|--|--|
| <ul style="list-style-type: none"><li>Continued with linear debris removal along Nicola River; and</li><li>Continued with linear debris survey along Thompson River.</li></ul>   | <ul style="list-style-type: none"><li>Complete linear debris removal along Nicola River;</li><li>Continue with linear debris survey along Thompson River; and</li><li>Continue with linear debris removal along Thompson River.</li></ul>  |
| Relevant contacts  | Debris removal close-out timeline:   |
| <p>Contact for Contractors questions: <a href="mailto:kirandeep.dhillon@pwc.com">kirandeep.dhillon@pwc.com</a><br/>Contact for Ministry of Environment: <a href="mailto:doc.ops.eep@gov.bc.ca">doc.ops.eep@gov.bc.ca</a></p> | <p>Close-out timeline is subject to change due to delays caused by heat, wildfires, and/or other external factors:</p> <ul style="list-style-type: none"><li>Survey of rivers to be completed by mid October 2022;</li><li>Linear debris along the Nicola River to be completed by mid October 2022 and along the Thompson River by end of October 2022; and</li><li>Close-out reports for Phase 2 to be submitted by mid-November 2022.</li></ul> |



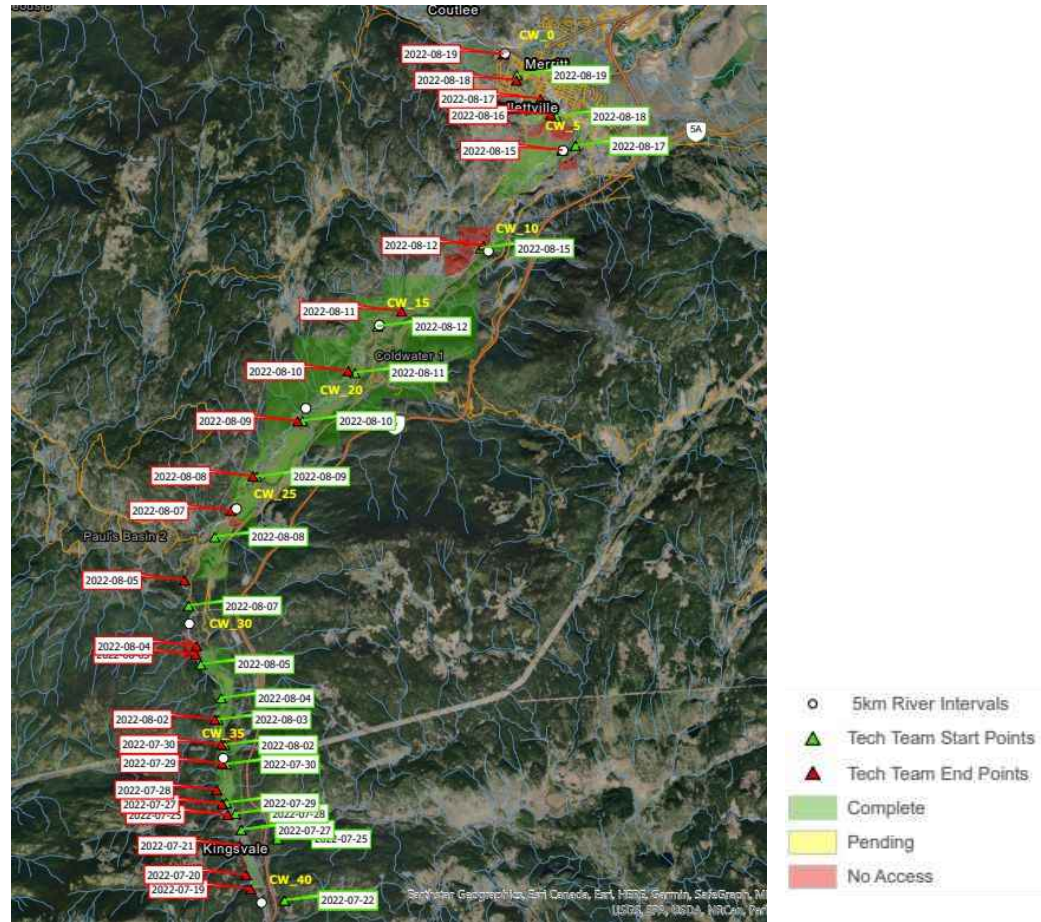


# Linear Debris Survey Progress - Thompson River





# Linear Debris Field Progress - Coldwater River





05

# Tulameen River

# Tulameen River

## Overview

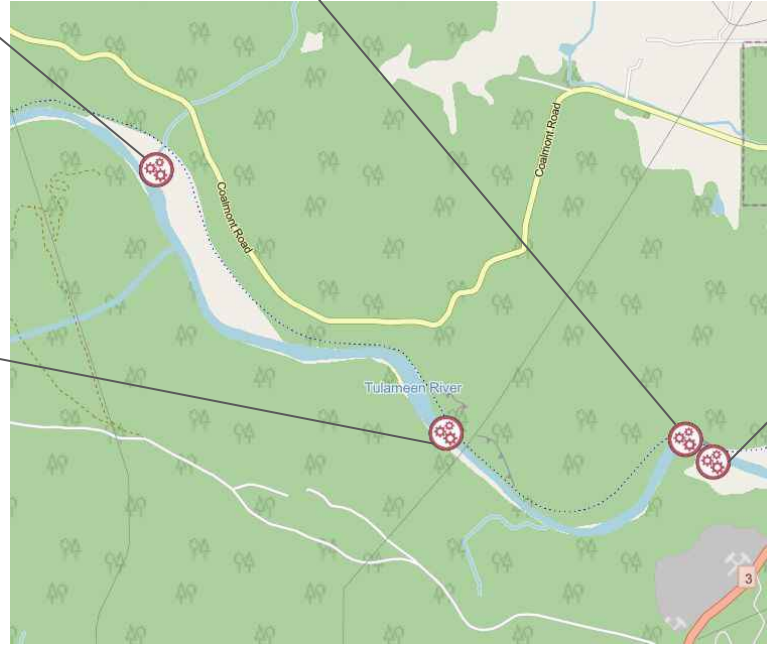
| Work objectives  | Community discussions status   | Known debris  | Permits status   |
|--|--|---|--|
| <ol style="list-style-type: none"> <li>1. Remove human made debris and any natural debris causing threat to either public safety or infrastructure.</li> <li>2. Preserve cultural and historically significant areas.</li> </ol> | <p>Ongoing communication with both Upper Similkameen IB (USIB) and Lower Similkameen IB (LSIB), Regional District of Okanagan-Similkameen, town of Princeton and Tulameen fire department.</p> <p>Recurring biweekly project update calls have been cancelled as of Sept 21 as debris removal program winds down and attendance at meeting decreases. New proposed leadership table will be set up to discuss future programs related to flood recovery efforts.</p> | <p>95 debris sites identified in total</p> <p>Phase 1 (see Appendix D)</p> <ul style="list-style-type: none"> <li>• 34 debris sites have removal completed; and</li> <li>• 17 debris sites have been assessed and concluded not to be removed</li> </ul> <p>Phase 2</p> <ul style="list-style-type: none"> <li>• 38 debris sites has removal completed;</li> <li>• 5 debris sites have been assessed and concluded not to be removed or handed to 3rd party for resolution;</li> <li>• 1 debris sites are in progress;</li> </ul> | <p>Tetra Tech has submitted the DFO permit for Phase 2 anthropogenic debris. MOF has conditionally extended to Oct 15 for instream work outside of the fish timing window (Aug 7 - Oct 15).</p> <p>Phase 1 permits included:</p> <ul style="list-style-type: none"> <li>• ARC Heritage Investigation Permit 2021-0453; NOI was issued Feb 28;</li> <li>• MOF Approval A8006163 issued for Feb 11 and permit extension issued Apr 14; and</li> <li>• DFO Authorization issued Feb 7 under Approval 22-HPAC-00125.</li> </ul> <p>Phase 2 permits included</p> <ul style="list-style-type: none"> <li>• DFO Authorization issued July 18, 2022 22-HPAC-00766. Instream work to be completed by Oct 15.</li> </ul> |



# Tulameen River



# Tulameen River





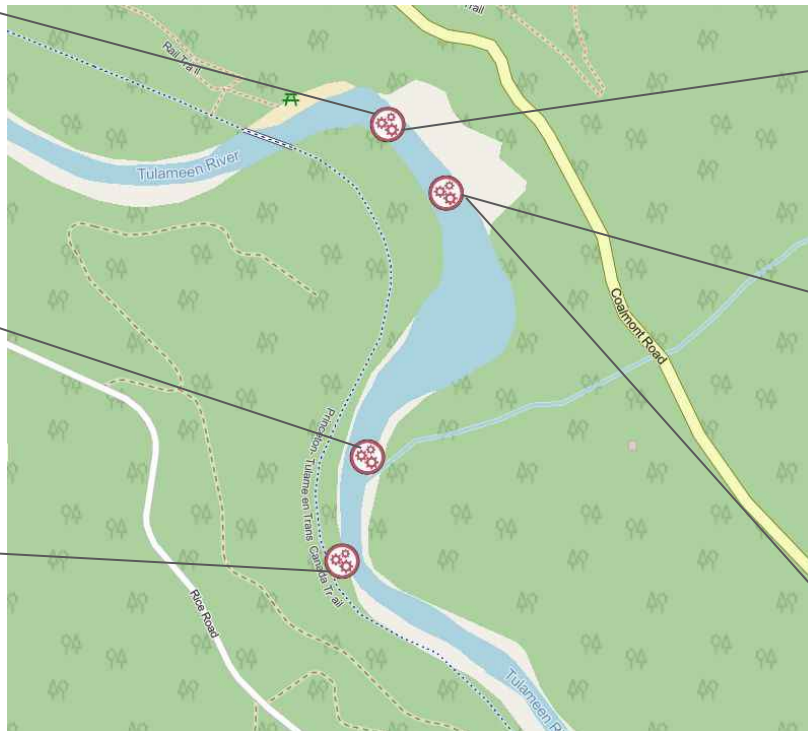
# Tulameen River



TR96. Unknown debris (photo upcoming)

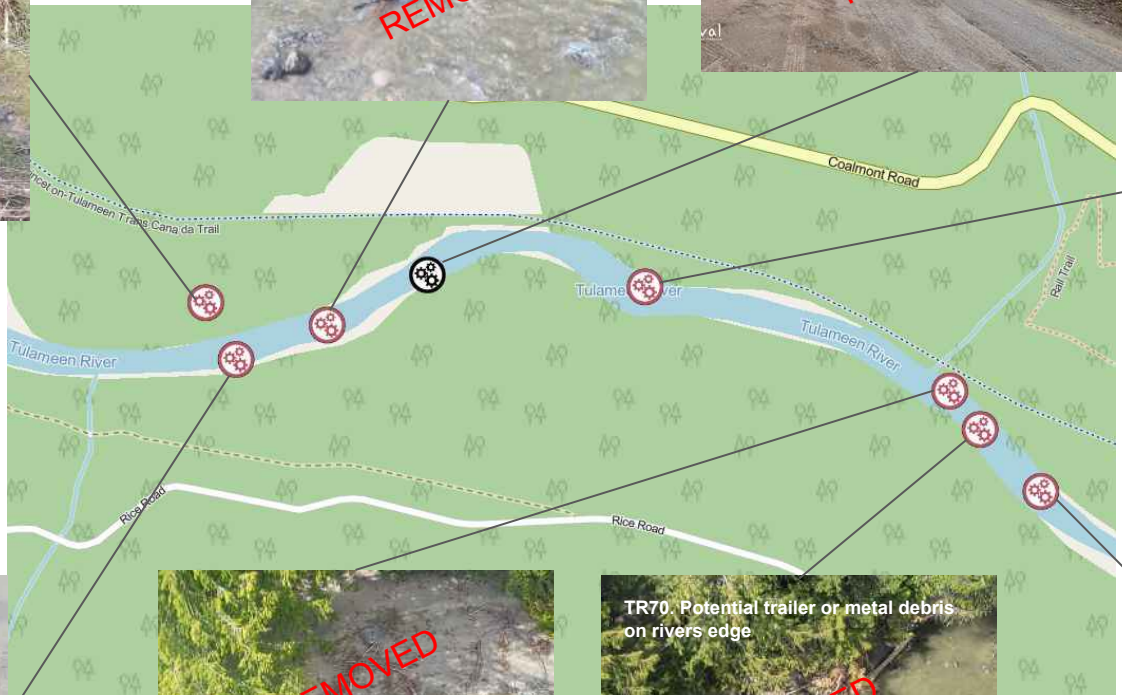
IN PROGRESS

# Tulameen River





# Tulameen River



# Tulameen River

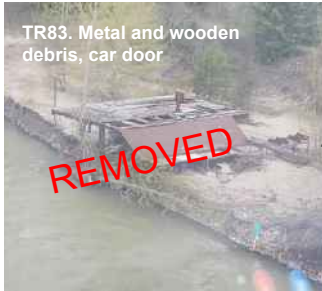
TR83. Metal and wooden debris, car door

**REMOVED**



TR83. Metal and wooden debris, car door

**REMOVED**



TR99. Tire on river bank

**REMOVED**



TR98. Propane tank and other debris in flood plain in woods

**REMOVED**



**REMOVED**



TR78. Debris in wooded area

TR76. Camper door stuck on woody debris

**REMOVED**



# Tulameen River

TR87. Several pieces of debris in woody debris, log stack



TR86. Metal debris, cardboard box, metal item, plastic tank, white debris



TR85. Woody Debris, white object, white plastic



TR84. Log stacks and woody debris





# Tulameen River

TR107. Metal debris on river bank



TR89. Log stack, white pipe, metal pipe, green pipe



TR88. Metal and woody debris



TR92. Barrel in flood plain



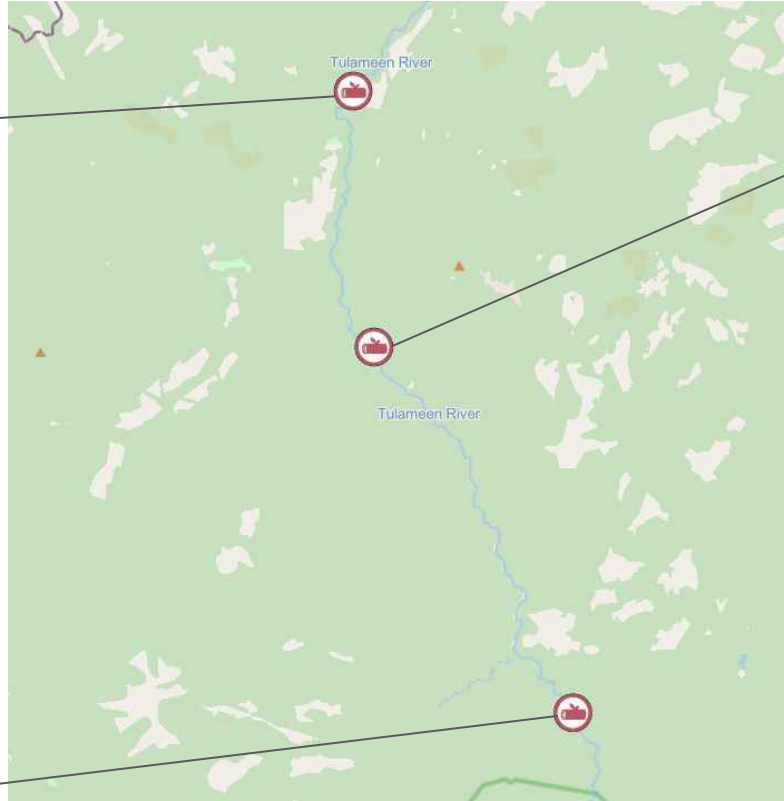
TR88. Metal and woody debris



TR90. Woody debris, log piles



# Tulameen River



# Tulameen River Response Action Plan

| Action plan for post-freshet work  | Estimated timeline for removal  |
|--|---|
| <ul style="list-style-type: none"> <li>● Develop site specific debris removal work plans and engage with LSIB and USIB to assist with sequence/scheduling of work</li> <li>● TetraTech to review site specific plans and provide direction re access and biological mitigation measures (as per the Section 11 permit extension)</li> <li>● TetraTech to assess natural debris to determine if it poses a threat to public safety and/or infrastructure.</li> <li>● Identify entrance routes and staging areas for equipment and debris planning and ensure all necessary access agreements are in place</li> <li>● Once debris has been removed from the waterway, contractors will follow waste management plans</li> <li>● Crew will stop work if human remains are found or unanticipated archaeological sites are discovered</li> <li>● Discussions ongoing with USIB and LSIB for subcontractors and professional resources</li> </ul> | <ul style="list-style-type: none"> <li>● Below are dates and are subject to change:               <ul style="list-style-type: none"> <li>○ TR-44 in the vicinity of Ochre Bluff, after assessment and discussions with USIB and LSIB, the small garbage around was removed but the concrete was concluded not to be removed;</li> <li>○ TR-93, 94 and 95: concluded out of scope due to access to area</li> <li>○ TR-84: in progress</li> </ul> </li> </ul> |
| Contractors involved   | Waste management process  |
| <p>Debris removal: Clearview Demolition, Tri Valley Construction<br/>           Qualified Environmental &amp; Archeological Professional: TetraTech<br/>           Field Work Management: Clearview Demolition</p>   | <ul style="list-style-type: none"> <li>● Waste will be staged and sorted</li> <li>● Legal owners will be notified</li> <li>● Metals will be salvaged or recycled</li> <li>● Unsalvageable waste will be sent to landfills under proper disposal protocols</li> <li>● See Appendix A Waste Management Strategic Plan</li> </ul>  |

# Tulameen River Response Action Plan

| Work completed prior week  | Upcoming work to be completed   |
|--|---|
| <ul style="list-style-type: none"><li>• Completed removal of TR-100: concrete intake structure;</li><li>• Continued with wrap up activities;</li><li>• Continued with walkdowns of completed areas;</li><li>• Started removal of woody debris.</li></ul> | <ul style="list-style-type: none"><li>• Complete removal of remaining instream debris prior to conclusion of instream permit on Oct 15, 2022;</li><li>• Complete woody debris removal; and</li><li>• Commence demobilization.</li></ul>   |
| Relevant contacts  | Debris removal close-out timeline:  |
| <p>Contact for Contractors questions: <a href="mailto:kirandeep.dhillon@pwc.com">kirandeep.dhillon@pwc.com</a><br/>Contact for Ministry of Environment: <a href="mailto:doc.ops.eep@gov.bc.ca">doc.ops.eep@gov.bc.ca</a></p>                             | <p>Close-out timeline is subject to change due to delays caused by heat, wildfires, and/or other external factors:</p> <ul style="list-style-type: none"><li>• Final assessments of Tulameen River is being completed and documented;</li><li>• Instream debris removal to be completed by October 15, 2022 as per DFO and MOF permits;</li><li>• Large anthropogenic debris scheduled to finalize by mid-October 2022 and contractors demobilized by October 31, 2022; and</li><li>• Close-out reports for Phase 2 to be submitted by mid-November 2022.</li></ul> |

# Tulameen River

| Map ID | Contractor ID*                    | Description  | Type       | Status                        | Removal date |
|--------|-----------------------------------|--|------------|-------------------------------|--------------|
| TR-44  | N/A                               | Pole like objects beside river   | Human-made | Concluded - Not to be Removed | TBD          |
| TR-53  |                                   | Deleted, was a duplicate of TR-57  |            |                               |              |
| TR-54  | TU_2.7_2.8                        | Metal/Plastic Debris in woody debris                                     | Human-made | Removed                       | TBD          |
| TR-55  |                                   | Deleted and combined with TR-54  |            |                               |              |
| TR-56  | TU_9.2                            | Small white plastic on bank left side                                    | Human-made | Removed                       | TBD          |
| TR-57  | TU_10.8                           | Culvert right side   | Human-made | Removed                       | 2022-09-02   |
| TR-58  | TU_15.9                           | Jersey barrier, piece of RV trailer and small scattered debris           | Human-made | Removed                       | TBD          |
| TR-59  | TU_16.3                           | Trailer debris in woody debris pile, white debris in river bank in trees | Human-made | Removed                       | TBD          |
| TR-60  | TU_16.35                          | Plywood in woody debris  | Human-made | Removed                       | TBD          |
| TR-61  | TU_16.85                          | Cardboard and metal stuck in woody debris                                | Human-made | Removed                       | TBD          |
| TR-62  | TU_17.0<br>TU_17.1                | Debris in silt on rivers edge, metal bar                                 | Human-made | Removed                       | TBD          |
| TR-63  |                                   | Deleted and combined with TR-62  |            |                               |              |
| TR-64  | TU_17.375                         | Metal debris in trees in riparian area                                   | Human-made | Removed                       | TBD          |
| TR-65  | TU_17.5<br>TU_17.7                | Tarp, metal and other debris   | Human-made | Removed                       | TBD          |
| TR-66  |                                   | Deleted and combined with TR-65  |            |                               |              |
| TR-67  | TU_17.875<br>TU_17.95<br>TU_18.75 | White debris on rocks, blue tarp, metal                                  | Human-made | Removed                       | TBD          |
| TR-68  |                                   | Deleted and combined with TR-67  |            |                               |              |
| TR-69  | TU_18.5                           | Red debris on rivers edge  | Human-made | Removed                       | TBD          |
| TR-70  | TU_18.55                          | Potential trailer or metal debris on rivers edge                         | Human-made | Removed                       | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.



# Tulameen River

| Map ID | Contractor ID*   | Description                                      | Type       | Status  | Removal date |
|--------|--|--|------------|---------|--------------|
| TR-71  | TU_18.6  | Plastic debris on rivers edge or white metal     | Human-made | Removed | TBD          |
| TR-72  |  | Deleted and combined with TR-67                  |            |         |              |
| TR-73  | TU_19  | White debris on river bank in trees              | Human-made | Removed | TBD          |
| TR-74  | TU_19.3  | Stripped car up on bank in trees                 | Human-made | Removed | 2022-08-04   |
| TR-75  | TU_17.20   | Tire in river                                    | Human-made | Removed | TBD          |
| TR-76  | TU_19.5  | Camper door stuck on woody debris                | Human-made | Removed | TBD          |
| TR-77  | TU_19.6  | Car bumper in woody debris                       | Human-made | Removed | TBD          |
| TR-78  | TU_19.9  | Debris in wooded area                            | Human-made | Removed | TBD          |
| TR-79  | TU_3.00<br>TU_3.10<br>TU_3.30<br>TU_4.00                       | Green box, small debris, culvert, yellow plastic | Human-made | Removed | TBD          |
| TR-80  | TU_4.10<br>TU_4.30<br>TU_4.40<br>TU_4.50<br>TU_4.60<br>TU_4.70 | Tarps, tire, blankets and other small debris     | Human-made | Removed | TBD          |
| TR-81  | TU_5.30<br>TU_5.60<br>TU_5.70<br>TU_6.30                       | Tires, metal debris, culvert                     | Human-made | Removed | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# Tulameen River

| Map ID | Contractor ID*  | Description   | Type       | Status      | Removal date |
|--------|---|---|------------|-------------|--------------|
| TR-82  | TU_7.00<br>TU_7.20<br>TU_7.25<br>TU_7.40<br>TU_7.50<br>TU_7.55<br>TU_7.60<br>TU_7.80<br>TU_10.1 | Small culvert, plastic, metal and woody debris, propane tank        | Human-made | Removed     | TBD          |
| TR-83  | TU_21.60<br>TU_22.90<br>TU_23.15  | Metal and wooden debris, car door                                   | Human-made | Removed     | TBD          |
| TR-84  | TU_23.20<br>TU_23.25<br>TU_23.50<br>TU_23.60<br>TU_24.00  | Log stacks and woody debris   | Human-made | In Progress | TBD          |
| TR-85  | TU_24.10<br>TU_24.20<br>TU_25.50<br>TU_26.00<br>TU_26.10<br>TU_26.20                            | Woody Debris, white object, white plastic                           | Human-made | Removed     | TBD          |
| TR-86  | TU_27.00<br>TU_27.20<br>TU_27.25<br>TU_27.30<br>TU_27.60<br>TU_27.85                            | Metal debris, cardboard box, metal item, plastic tank, white debris | Human-made | Removed     | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# Tulameen River

| Map ID | Contractor ID*   | Description   | Type       | Status                        | Removal date |
|--------|--|---|------------|-------------------------------|--------------|
| TR-87  | TU_28.65<br>TU_28.67<br>TU_29.20   | Several pieces of debris in woody debris, log stack | Human-made | Removed                       | TBD          |
| TR-88  | TU_29.75   | Metal and woody debris                              | Human-made | Removed                       | TBD          |
| TR-89  | TU_30.20<br>TU_30.35<br>TU_30.40<br>TU_30.55<br>TU_30.60<br>TU_30.75             | Log stack, white pipe, metal pipe, green pipe       | Human-made | Removed                       | TBD          |
| TR-90  | TU_31.00<br>TU_31.25<br>TU_31.30<br>TU_31.40<br>TU_31.70<br>TU_31.80<br>TU_31.90 | Woody debris, log piles                             | Human-made | Removed                       | TBD          |
| TR-91  | TU_33.20<br>TU_33.25<br>TU_33.30   | Concrete Lock Blocks                                | Human-made | Removed                       | TBD          |
| TR-92  | TU_35.30   | Barrel in flood plain                               | Human-made | Removed                       | TBD          |
| TR-93  | TU_52.07<br>TU_52.40   | Log jam in River                                    | Natural    | Concluded - Not to be Removed | TBD          |
| TR-94  | TU_58.10<br>TU_58.20   | Log jam in River                                    | Natural    | Concluded - Not to be Removed | TBD          |
| TR-95  | TU_67.00   | Log jam in River                                    | Natural    | Concluded - Not to be Removed | TBD          |
| TR-96  | TU_13.31   | Unknown debris                                      | Human-made | Removed                       | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# Tulameen River

| Map ID | Contractor ID* | Description   | Type       | Status  | Removal date |
|--------|----------------|---|------------|---------|--------------|
| TR-97  | TU_20.00       | Tarp buried in silt                                   | Human-made | Removed | TBD          |
| TR-98  | TU_21.10       | Propane tank and other debris in flood plain in woods | Human-made | Removed | TBD          |
| TR-99  | TU_21.40       | Tire on river bank                                    | Human-made | Removed | TBD          |
| TR-100 | TU_4.1         | Concrete water intake                                 | Human-made | Removed | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.



# Tulameen River Field Progress



*Woody debris removal at TR-84*



*Concrete intake removal at TR-100*



*Loading of metal debris*



06

# Similkameen River

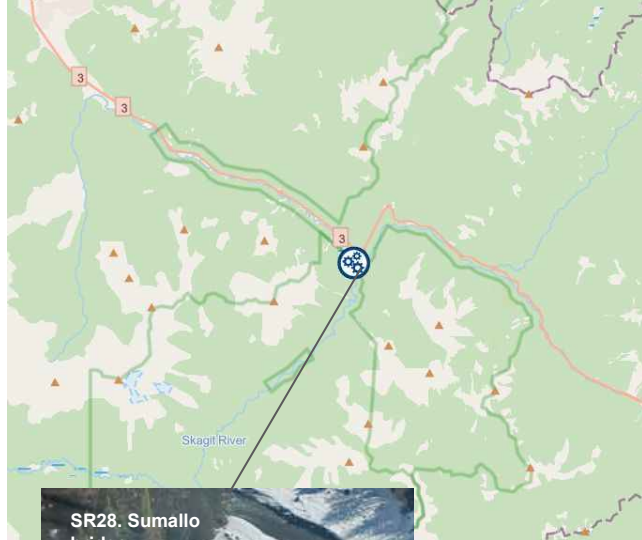
# Similkameen River

## OVERVIEW

| Work objectives   | Community discussions status  | Known debris  | Permits status  |
|---|---|---|---|
| <ol style="list-style-type: none"> <li>1. Remove human made debris and any natural debris causing threat to either public safety or infrastructure.</li> <li>2. Preserve cultural and historically significant areas</li> </ol> | <p>Ongoing communication with both Upper Similkameen IB (USIB) and Lower Similkameen IB (LSIB) as the planning of the project moves forward. Also communicating with Regional District of Okanagan-Similkameen and town of Princeton.</p> <p>Recurring biweekly project update calls have been cancelled as of Sept 21 as debris removal program winds down and attendance at meeting decreases. New proposed leadership table will be set up to discuss future programs related to flood recovery efforts.</p> | <p>53 debris sites identified in total</p> <p>Phase 1 (see Appendix D)</p> <ul style="list-style-type: none"> <li>● 9 debris sites have removal completed; and</li> <li>● 9 debris sites have been assessed and concluded not to be removed; and</li> <li>● 3 debris site to be completed by another ministry or others.</li> </ul> <p>Phase 2</p> <ul style="list-style-type: none"> <li>● 30 debris sites have removal completed; and</li> <li>● 2 debris site have been assessed and concluded not to be removed;</li> </ul> | <p>Tetra Tech has submitted the DFO permit for Phase 2 anthropogenic debris, permit received week of Jul 18. MOF has conditionally extended to Oct 15 for instream work outside of the fish timing window (Aug 7 - Sep 30).</p> <p>Phase 1 permits included:</p> <ul style="list-style-type: none"> <li>● ARC Heritage Investigation Permit 2021-0453; NOI was issued Feb 28;</li> <li>● MOF Approval A8006162 issued for Feb 11 and permit extension issued Apr 14; and</li> <li>● DFO Authorization issued Feb 7 under Approval 22-HPAC-00125.</li> </ul> <p>Phase 2 permits included</p> <ul style="list-style-type: none"> <li>● DFO Authorization issued July 18, 2022 22-HPAC-00766. In stream Permit ends Sep 30.</li> </ul> |



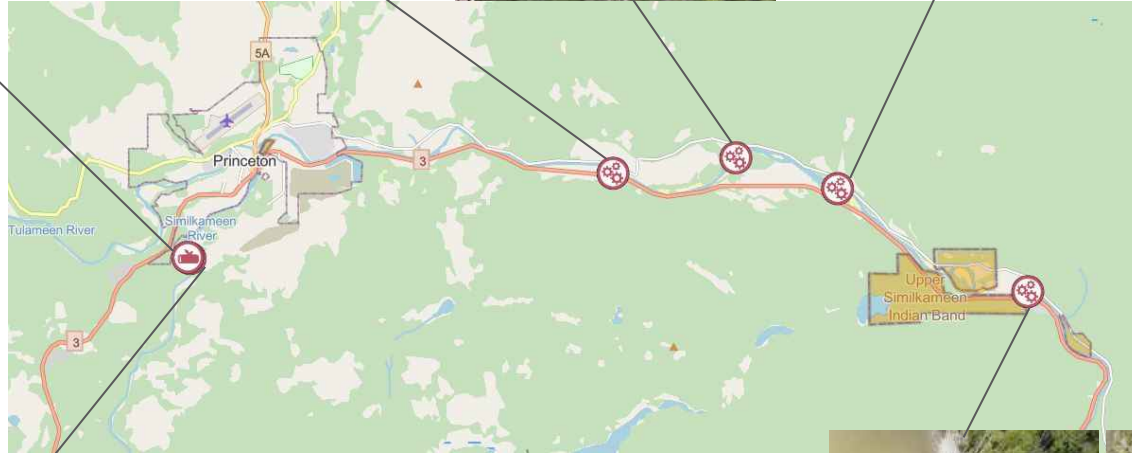
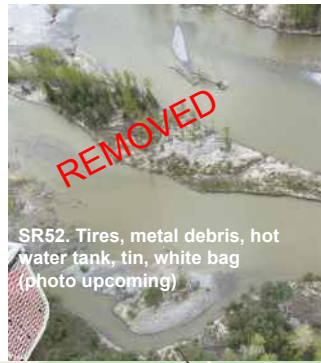
# Similkameen River



# Similkameen River

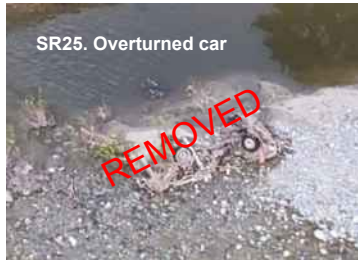


REMOVED  
SR53. Fridge  
(photo upcoming)

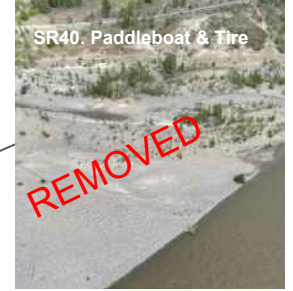




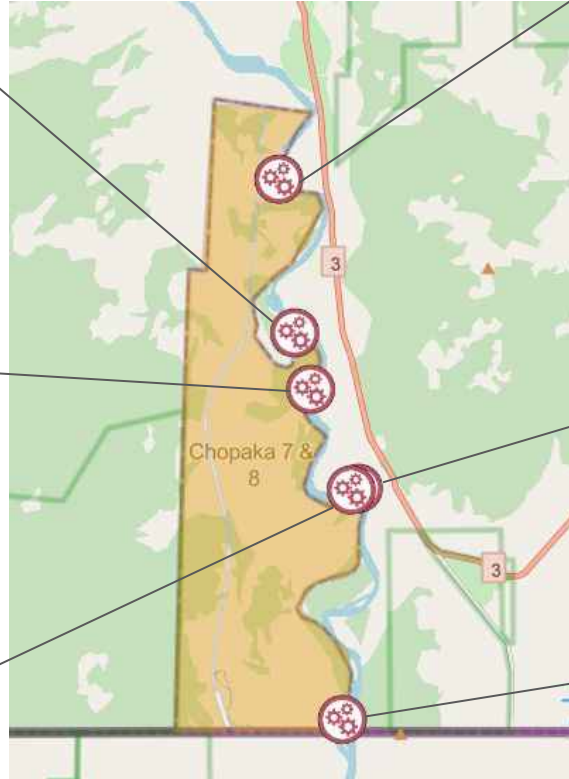
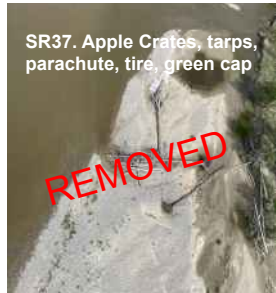
# Similkameen River



# Similkameen River



# Similkameen River



# Similkameen River Response Action Plan

| Action plan   | Estimated timeline for removal   |
|---|--|
| <ul style="list-style-type: none"> <li>● Identify newly exposed human made debris and large woody debris deposits during/after freshet.</li> <li>● Develop site specific debris removal work plans and engage with LSIB and USIB to assist with sequence/scheduling of work.</li> <li>● TetraTech to review site specific plans and provide direction re access and biological mitigation measures (as per the Section 11 permit extension)</li> <li>● TetraTech to assess natural debris to determine if it poses a threat to public safety and/or infrastructure.</li> <li>● Identify entrance routes and staging areas for equipment and debris planning and ensure all necessary access agreements are in place</li> <li>● Once debris has been removed from the waterway, contractors will follow waste management plans</li> <li>● Crew will stop work if human remains are found or unanticipated archaeological sites are discovered</li> <li>● Discussions ongoing with USIB and LSIB for subcontractors and professional resources</li> </ul> | <ul style="list-style-type: none"> <li>● All identified debris that was assessed for removal has been completed.</li> </ul>  |
| Contractors involved  | Waste management process   |
| <p>Debris removal: Clearview Demolition, Tri Valley Construction<br/>           Qualified Environmental &amp; Archeological Professional: TetraTech<br/>           Field Work Management: Clearview Demolition</p>  | <ul style="list-style-type: none"> <li>● Waste will be staged and sorted</li> <li>● Legal owners will be notified</li> <li>● Metals will be salvaged or recycled</li> <li>● Unsalvageable waste will be sent to landfills under proper disposal protocols</li> <li>● See Appendix A Waste Management Strategic Plan</li> </ul> |

# Similkameen River Response Action Plan

| Work completed prior week  | Upcoming work to be completed  |
|--|--|
| <ul style="list-style-type: none"><li>N/A</li></ul>  | <ul style="list-style-type: none"><li>All identified debris removal is complete.</li></ul>   |
| Relevant contacts  | Debris removal close-out timeline:   |
| <p>Contact for Contractors questions: kirandeep.dhillon@pwc.com<br/>Contact for Ministry of Environment: doc.ops.eep@gov.bc.ca</p> | <p>Close-out timeline is subject to change due to delays caused by heat, wildfires, and/or other external factors:</p> <ul style="list-style-type: none"><li>Final debris assessment of Similkameen River is completed;</li><li>Instream debris removal is completed;</li><li>Large anthropogenic debris removal is complete and contractors will be demobilized by end of October 2022; and</li><li>Close-out reports for Phase 2 to be submitted by mid-November 2022.</li></ul> |



# Similkameen River

| Map ID | Contractor ID*                                      | Description                                      | Type       | Status                   | Removal date |
|--------|---|--|------------|--------------------------|--------------|
| SR-19  | N/A   | Blue tarp slightly buried in the sandbar         | Human-made | Removed                  | TBD          |
| SR-23  | N/A   | Tarp slightly buried in the sandbar              | Human-made | Removed                  | TBD          |
| SR-24  | N/A   | Blue barrels entangled in woody debris           | Human-made | Removed                  | TBD          |
| SR-25  | N/A   | Overturned car                                   | Human-made | Removed                  | 2022-07-27   |
| SR-26  | N/A   | Truck with trailer                               | Human-made | Removed                  | TBD          |
| SR-27  | N/A   | Log debris                                       | Natural    | Removed                  | TBD          |
| SR-28  | N/A   | Sumallo bridge                                   | Human-made | Concluded - Out of Scope | N/A          |
| SR-29  | N/A   | Chuwanten bridge                                 | Human-made | Removed                  | TBD          |
| SR-30  | N/A   | 78-83 bridge                                     | Human-made | Removed                  | TBD          |
| SR-31  | N/A   | Woody debris                                     | Natural    | Removed                  | TBD          |
| SR-32  | N/A   | Woody debris                                     | Natural    | Concluded - Out of Scope | TBD          |
| SR-33  | N/A   | Trailer stuck in woody debris pile               | Human-made | Removed                  | TBD          |
| SR-34  | N/A   | Sheet metal, propane tank                        | Human-made | Removed                  | TBD          |
| SR-35  | SR_0.20<br>SR_1.50<br>SR_1.79<br>SR_1.81<br>SR_2.11 | Fruit, boxes, lumber, debris in log pile, tires  | Human-made | Removed                  | 2022-09-16   |
| SR-36  | SR_4.50<br>SR_4.72<br>SR_5.25<br>SR_5.70            | Blue barrels, lumber in log pile, fruit box, tin | Human-made | Removed                  | 2022-09-17   |
| SR-37  | SR_6.90<br>SR_7.90<br>SR_9.10<br>SR_10.60           | Apple Crates, tarps, parachute, tire, green cap  | Human-made | Removed                  | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# Similkameen River

| Map ID | Contractor ID*   | Description                              | Type       | Status  | Removal date |
|--------|--|--|------------|---------|--------------|
| SR-38  | SR_10.95<br>SR_13.20<br>SR_15.80<br>SR_18.60<br>SR_18.68 | Truck Cab, barrels, tires                | Human-made | Removed | TBD          |
| SR-39  | SR_20.30<br>SR_20.35<br>SR_23.40<br>SR_25.65<br>SR_25.75 | Tires                                    | Human-made | Removed | 2022-09-17   |
| SR-40  | SR_28.08<br>SR_28.10<br>SR_28.40<br>SR_30.37<br>SR_30.68 | Paddleboat, tires and misc. debris       | Human-made | Removed | TBD          |
| SR-41  | SR_30.74<br>SR_31.00<br>SR_31.13<br>SR_32.05<br>SR_32.10 | Debris in log pile, black pipe and tires | Human-made | Removed | TBD          |
| SR-42  | SR_32.73<br>SR_33.30<br>SR_33.80<br>SR_34.62             | Tires, barrel and white debris           | Human-made | Removed | TBD          |
| SR-43  | SR_37.58<br>SR_39.00                                     | Misc. Debris, pallet                     | Human-made | Removed | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# Similkameen River

| Map ID | Contractor ID*   | Description                                    | Type       | Status  | Removal date |
|--------|--|--|------------|---------|--------------|
| SR-44  | SR_44.20<br>SR_45.20<br>SR_47.30<br>SR_47.68<br>SR_48.18 | Tires, lumber, plywood, sign                   | Human-made | Removed | 2022-09-19   |
| SR-45  | SR_49.88<br>SR_51.30<br>SR_52.00<br>SR_54.80<br>SR_55.40 | Misc. Debris, blue barrel, tires, tarp         | Human-made | Removed | TBD          |
| SR-46  | SR_58.45<br>SR_59.95<br>SR_60.25<br>SR_60.35<br>SR_61.15 | Debris against tree, tires, car                | Human-made | Removed | TBD          |
| SR-47  | SR_61.40<br>SR_61.45<br>SR_61.93<br>SR_62.50<br>SR_63.40 | Lumber on gravel bar, culvert, tires, car body | Human-made | Removed | 2022-08-02   |
| SR-48  | SR_66.30<br>SR_66.50                                     | Debris near bank, tires                        | Human-made | Removed | TBD          |
| SR-49  | SR_72.96<br>SR_73.50<br>SR_74.63                         | Tarp, small debris on bank, tin                | Human-made | Removed | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# Similkameen River

| Map ID | Contractor ID*   | Description   | Type       | Status  | Removal date |
|--------|--|---|------------|---------|--------------|
| SR-50  | SR_85.70<br>SR_86.65<br>SR_86.75<br>SR_86.95<br>SR_87.30<br>SR_87.50<br>SR_87.70<br>SR_87.85<br>SR_88.00<br>SR_88.10<br>SR_88.20 | Tire, rubber mat, tarp, misc. Debris                | Human-made | Removed | 2022-09-17   |
| SR-51  | SR_91.00<br>SR_91.02<br>SR_91.30<br>SR_92.20<br>SR_92.40<br>SR_93.10   | Tires, blue barrel, debris in log pile              | Human-made | Removed | 2022-09-15   |
| SR-52  | SR_93.45<br>SR_93.60<br>SR_93.65<br>SR_93.70<br>SR_93.85<br>SR_94.20<br>SR_94.48<br>SR_95.10                                     | Tires, metal debris, hot water tank, tin, white bag | Human-made | Removed | 2022-09-15   |
| SR-53  | SR_96.40<br>SR_96.60<br>SR_98.80   | Fridge, tire tube, blue shed                        | Human-made | Removed | TBD          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.





07

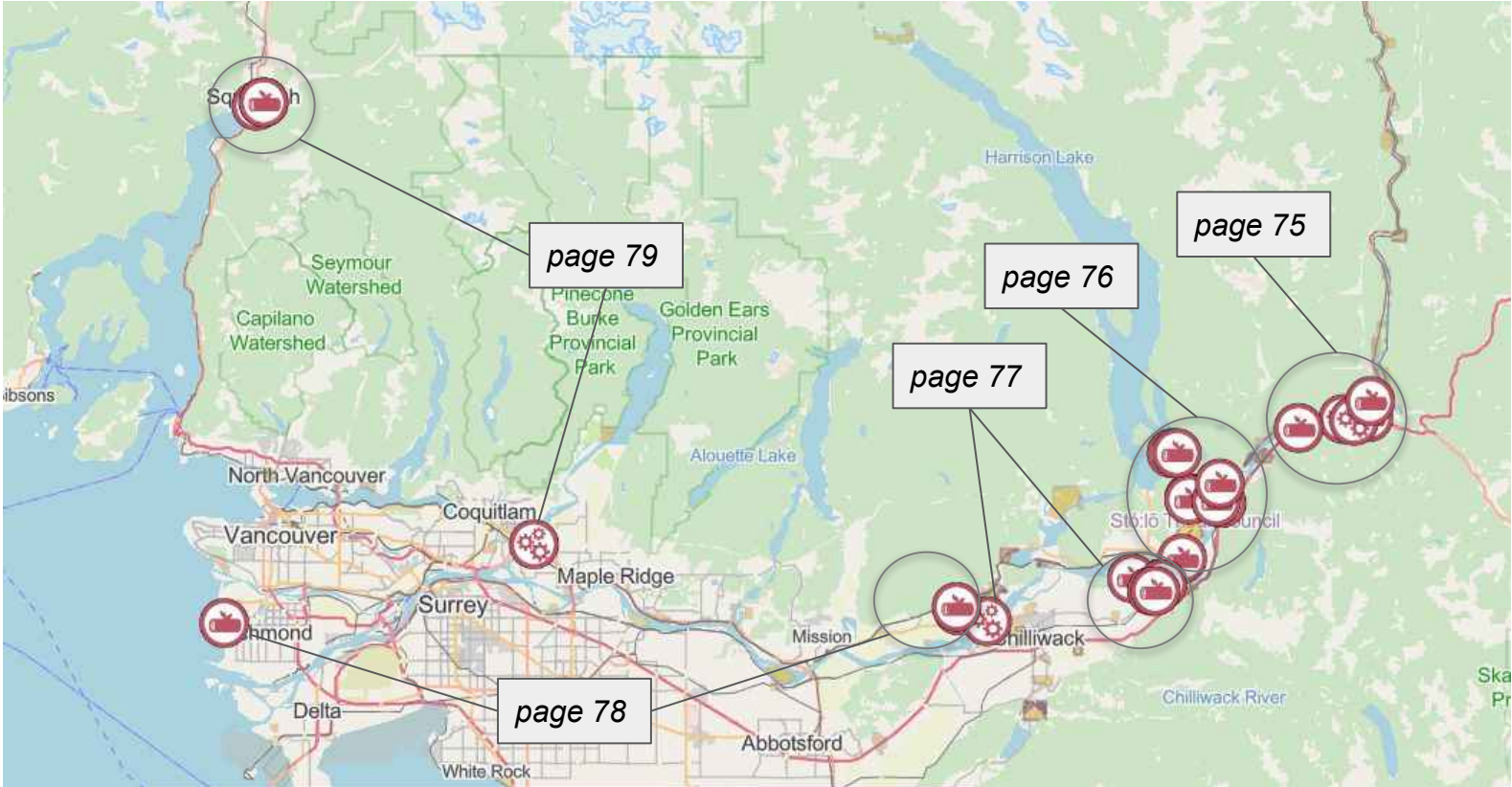
Fraser River

# Fraser River

## OVERVIEW

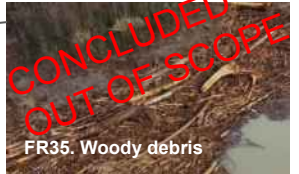
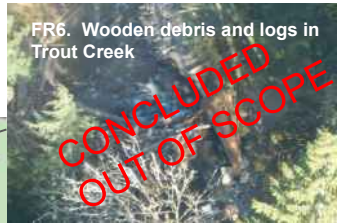
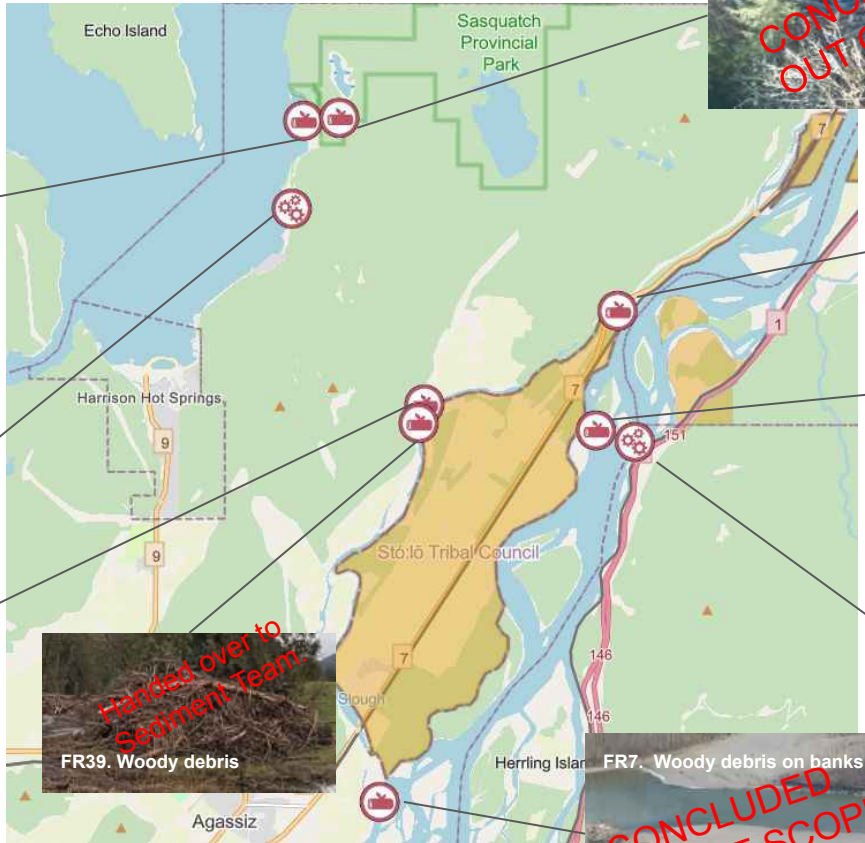
| Work objectives   | Community discussions status  | Known debris  | Permits status   |
|---|---|---|--|
| <ol style="list-style-type: none"> <li>1. Remove human made debris and any natural debris causing threat to either public safety or infrastructure</li> <li>2. Preserve cultural and historically significant areas.</li> </ol> | <p>Continuing to schedule calls and visits with the remaining communities based on their availability.</p> <p>Recurring biweekly project update call with all local authorities and First Nations groups in the area have been cancelled as of Sept 21, 2022 as work winds down and attendance has decreased.</p> | <p>79 debris sites identified in total</p> <p>Phase 1</p> <ul style="list-style-type: none"> <li>● 38 debris sites has removal completed; and</li> <li>● 5 has been assessed and concluded not to be removed</li> </ul> <p>Phase 2</p> <ul style="list-style-type: none"> <li>● 28 sites removed</li> <li>● 1 site passed to Sediment team</li> <li>● 7 sites concluded out of scope</li> </ul> | <p>ARC Heritage Investigation Permit 2021-0453 Issued under Section 12.2 of the Heritage Conservation Act.</p> <p>MOF approval under Section 11 of the Water Sustainability Act; Permit issued Mar 29, 2022. Extension to Change Approval 2009413 until Nov 30,2022 issued Oct 3, 2022.</p> <p>DFO Authorization under Paragraphs 34.4(2) (b) and 35(2)(b) of the Fisheries Act (Emergency Situations); Authorization issued (Approval 22-HPAC-00204) Mar 3, 2022.</p> <p>*Permits extended until September 30, 2022 have expired.</p> |

# Fraser River - overall view





# Fraser River



# Fraser River



FR22. Boat debris, furniture



FR28. Woody debris



FR76. Boat buried on the ground



FR23. Red container/pipe, metal debris



# Fraser River



# Fraser River



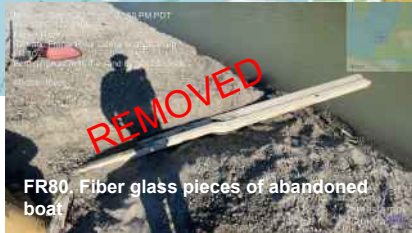
FR40. Section of boat hull



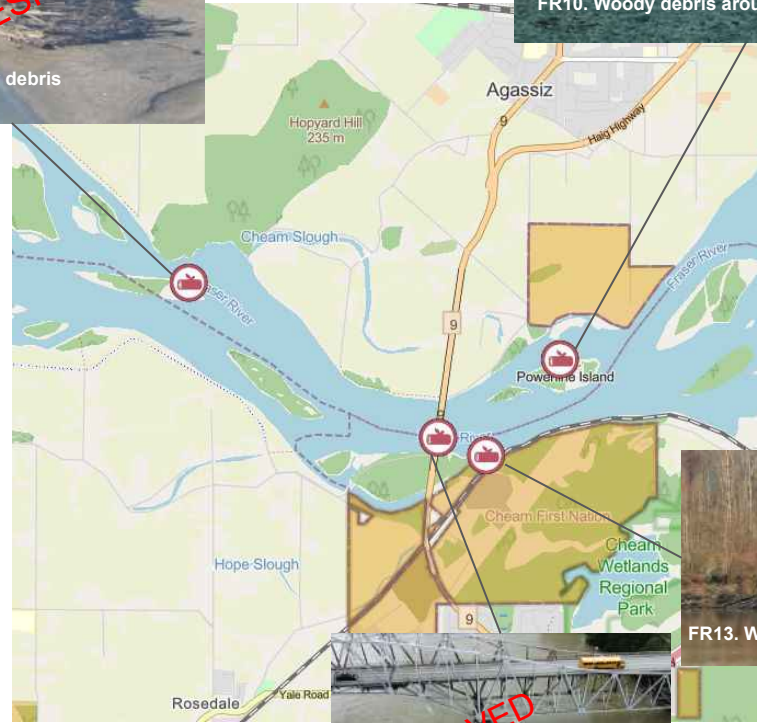
FR8. Woody debris



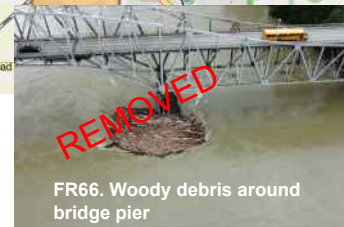
FR10. Woody debris around river



FR80. Fiber glass pieces of abandoned boat



FR13. Woody debris

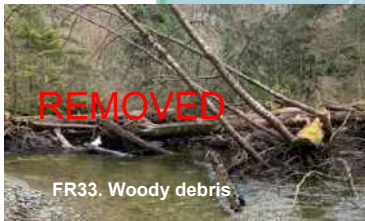
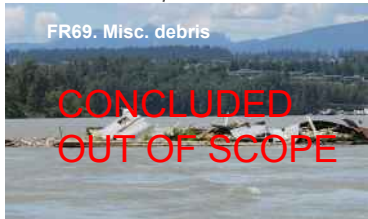
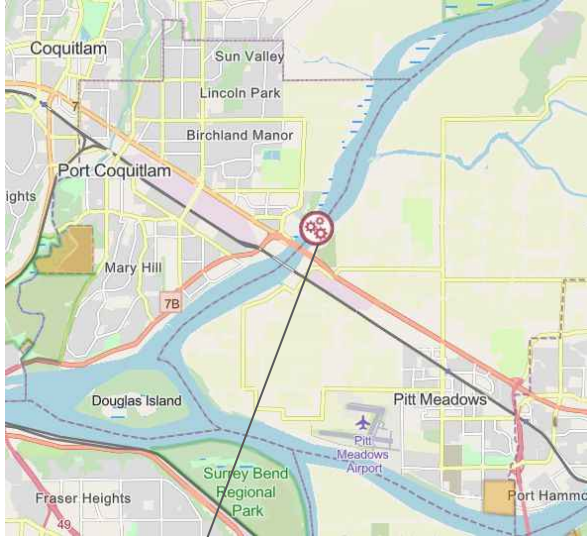


FR66. Woody debris around bridge pier





# Fraser River



# Fraser River





# Fraser River



# Fraser River Response Action Plan

| Action plan  | Estimated timeline for removal   |
|--|--|
| <ul style="list-style-type: none"> <li>• Crews prioritised human made debris that posed a high risk first, but otherwise removed all human made debris. Heavy equipment involved includes excavators, rock truck and flatbed trucks;</li> <li>• Once debris was removed from the waterway, contractors followed waste management plans;</li> <li>• Crew stopped work if human remains were found or unanticipated archaeological sites were discovered; and</li> <li>• Natural debris was reviewed by QP, DFO and MOF to determine if it posed a threat to public safety and/or infrastructure.</li> </ul> | <ul style="list-style-type: none"> <li>• Linear debris continues through mid October.</li> </ul>   |
| Contractors involved   | Waste management process   |
| <p>Debris removal: Stqó:ya Construction<br/>           Qualified Environmental: Stantec<br/>           Archeological Professional: Stolo Nation<br/>           Field Work Management: RAM Consulting<br/>           FN Monitors: IAMC<br/>           Linear Debris Removal: SWAT Consulting</p>  | <ul style="list-style-type: none"> <li>• Waste was staged and sorted</li> <li>• Legal owners were notified</li> <li>• Metals were salvaged or recycled</li> <li>• Unsalvageable waste was sent to landfills under proper disposal protocols</li> <li>• See Appendix A Waste Management Strategic Plan</li> </ul> |

# Fraser River Response Action Plan

| Work completed prior week   | Upcoming work to be completed  |
|---|--|
| <ul style="list-style-type: none"><li>Linear debris removal upcoming reconnaissance to determine needs and develop plan.</li></ul>  | <ul style="list-style-type: none"><li>Develop work plan for removal of linear debris.</li></ul>  |
| Relevant contacts   | Debris removal close-out timeline:   |
| <p>Contact for Contractors questions: <a href="mailto:mj.siahdashti@pwc.com">mj.siahdashti@pwc.com</a> and <a href="mailto:yogan.r.reddy@pwc.com">yogan.r.reddy@pwc.com</a><br/>Contact for Ministry of Environment: <a href="mailto:doc.ops.eep@gov.bc.ca">doc.ops.eep@gov.bc.ca</a></p> | <ul style="list-style-type: none"><li>Large debris removal of identified sites completed by September 30th.</li><li>Linear debris work to be completed by mid October.</li></ul> |

# Fraser River

| Map ID | Description                           | Type       | Status                               | Removal date |
|--------|---------------------------------------|------------|--------------------------------------|--------------|
| FR-2   | Natural debris with human made debris | Natural    | Removed                              | 2022-08-29   |
| FR-6   | Woody debris in Trout Creek           | Natural    | Out of scope                         | 2022-08-29   |
| FR-7   | Woody debris on banks                 | Natural    | Out of scope                         | 2022-09-24   |
| FR-8   | Woody debris                          | Natural    | Washed away by freshet (removed)     | TBD          |
| FR-9   | Fallen over trees                     | Natural    | Out of scope, no debris present      | 2022-08-29   |
| FR-10  | Woody debris                          | Natural    | Removed                              | 2022-08-29   |
| FR-13  | Woody debris                          | Natural    | Removed                              | 2022-09-17   |
| FR-19  | Concrete culvert                      | Human-made | Removed (debris not found)           | 2022-08-18   |
| FR-22  | Boat debris, furniture                | Human-made | Removed                              | 2022-09-24   |
| FR-23  | Red container/pipe, metal debris      | Human-made | Removed                              | 2022-06-11   |
| FR-28  | Woody debris                          | Natural    | Removed                              | 2022-09-16   |
| FR-29  | Logs on river bed                     | Natural    | Washed away by freshet (removed)     | TBD          |
| FR-30  | Woody debris                          | Natural    | Washed away during freshet (removed) | TBD          |
| FR-31  | Woody debris (Squamish)               | Natural    | Removed                              | 2022-09-24   |
| FR-32  | Woody debris (Squamish)               | Natural    | Removed                              | 2022-09-23   |
| FR-33  | Woody debris (Squamish)               | Natural    | Removed                              | 2022-09-21   |
| FR-35  | Woody debris                          | Natural    | Out of scope                         | TBD          |
| FR-39  | Woody debris                          | Natural    | Site handed over to Sediment Team    | TBD          |
| FR-40  | Section of boat hull on Fraser River  | Human-made | Removed                              | 2022-09-09   |
| FR-55  | Woody debris                          | Natural    | Removed                              | 2022-09-23   |
| FR-59  | Woody debris                          | Natural    | Removed                              | 2022-09-28   |



# Fraser River

| Map ID | Description   | Type       | Status       | Removal date |
|--------|---|------------|--------------|--------------|
| FR-60  | Woody debris  | Natural    | Removed      | 2022-09-27   |
| FR-66  | Woody debris around pier cap  | Natural    | Removed      | 2022-08-15   |
| FR-67  | Woody debris  | Natural    | Out of scope | TBD          |
| FR-68  | Woody debris  | Natural    | Out of scope | TBD          |
| FR-69  | Misc. debris  | Human-made | Out of scope | TBD          |
| FR-70  | Silver car and woody debris   | Human-made | Removed      | 2022-08-13   |
| FR-71  | Woody Accumulation on Bridge Pier - Landing drive                       | Natural    | Removed      | 2022-09-15   |
| FR-72  | Washing machine   | Human-made | Removed      | 2022-08-30   |
| FR-73  | Rusty laundry sink  | Human-made | Removed      | 2022-08-30   |
| FR-74  | Culvert   | Human-made | Removed      | 2022-08-31   |
| FR-75  | Steel cylinder  | Human-made | Removed      | 2022-09-07   |
| FR-76  | Boat buried on the ground   | Human-made | Removed      | 2022-09-08   |
| FR-77  | Numerous tires north of Hope  | Human-made | Removed      | 2022-09-01   |
| FR-78  | Numerous tires near Greenwood Island                                    | Human-made | Removed      | 2022-09-08   |
| FR-79  | Fallen trees and other woody debris near Deroche First Nations Cemetery | Natural    | Removed      | 2022-09-27   |
| FR-80  | Fiber glass pieces of abandoned boat                                    | Human-made | Removed      | 2022-09-14   |
| FR-81  | Large tires, fuel tank and truck axel                                   | Human-made | Removed      | 2022-09-27   |



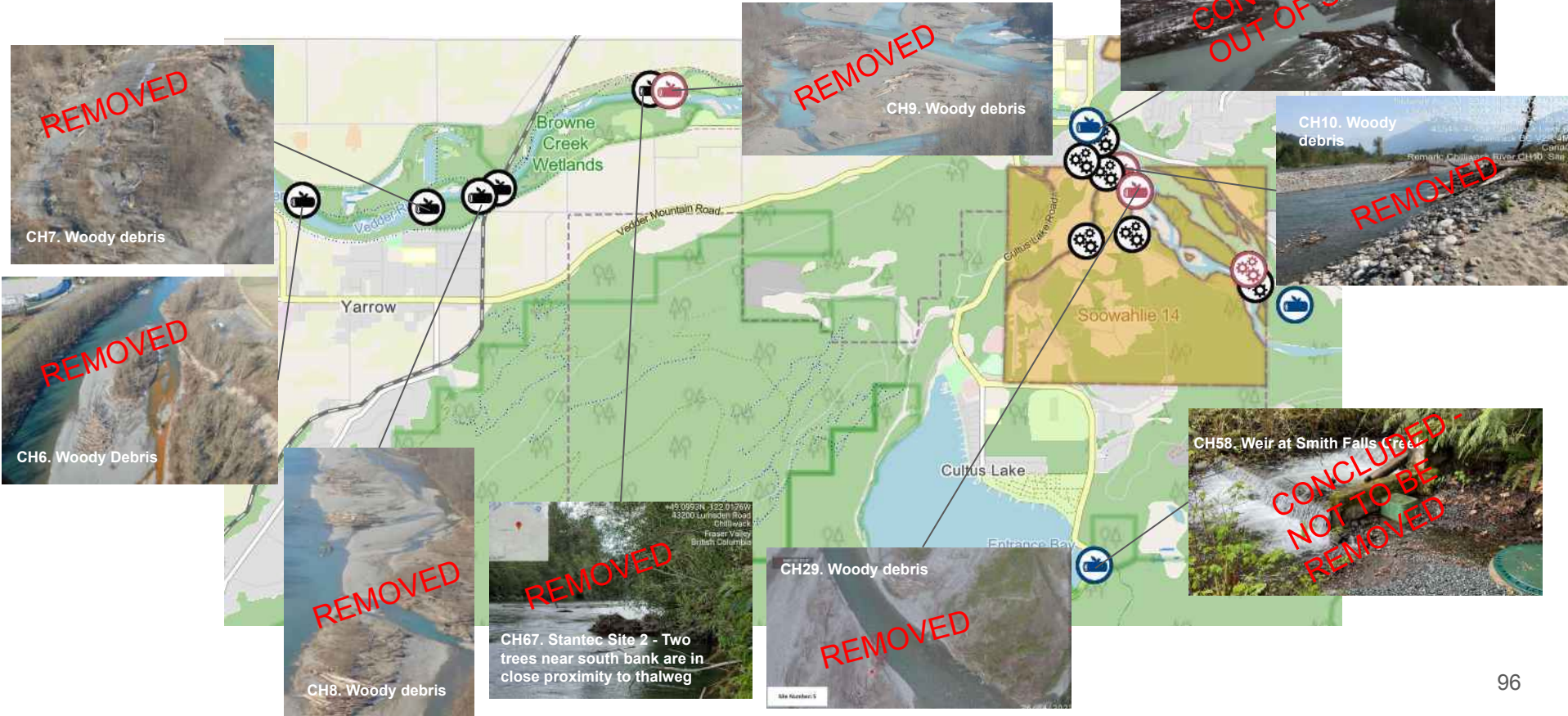
08

Chilliwack  
River &  
Vedder  
River/Canal

# Chilliwack River & Vedder River/Canal

| OVERVIEW  |   |  |   |
|---|---|--|---|
| Work objectives   | Community discussions status  | Known debris   | Permits status  |
| <ol style="list-style-type: none"> <li>1. Remove human made debris and any natural debris causing threat to either public safety or infrastructure</li> <li>2. Preserve cultural and historically significant areas.</li> </ol> | <p>Continuing to schedule calls and visits with the remaining communities based on their availability.</p> <p>Recurring biweekly project update call with all local authorities and First Nations groups in the area have been cancelled as of Sept 21, 2022 as work winds down and attendance has decreased.</p> | <p>69 debris sites identified in total</p> <p>Phase 1</p> <ul style="list-style-type: none"> <li>• 16 debris site have removal completed; and</li> <li>• 1 have been assessed and concluded not to be removed</li> </ul> <p>Phase 2</p> <ul style="list-style-type: none"> <li>• 43 sites removed</li> <li>• 2 sites remaining as work identified .</li> <li>• 7 sites concluded out of scope</li> </ul> | <p>ARC Heritage Investigation Permit 2021-0453 Issued under Section 12.2 of the Heritage Conservation Act</p> <p>MOF approval under Section 11 of the Water Sustainability Act; Permit issued on March 29, 2022. Extension to Change Approval 2009413 until Nov 30,2022 issued Oct 3, 2022.</p> <p>DFO Authorization under Paragraphs 34.4(2) (b) and 35(2)(b) of the Fisheries Act (Emergency Situations); Authorization issued (Approval 22-HPAC-00204) Mar 3, 2022</p> <p>*Permits extended until September 30, 2022 have expired.</p> |

# Chilliwack River & Vedder River/Canal

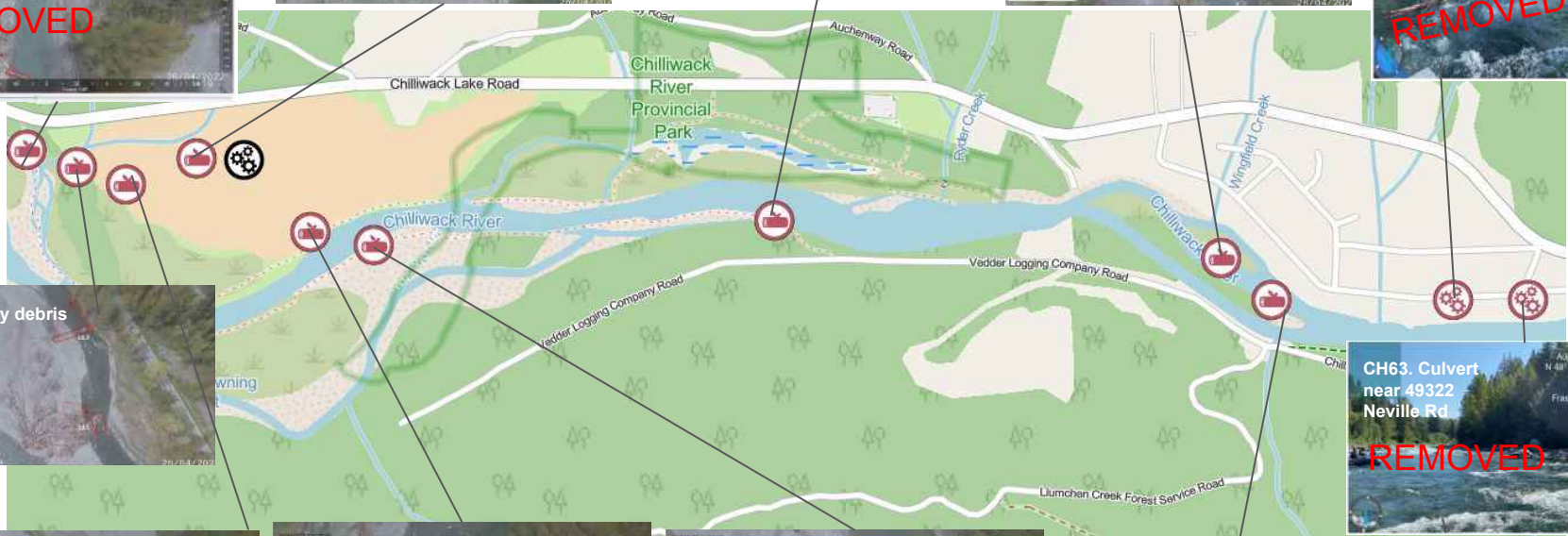
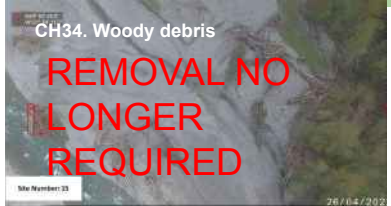
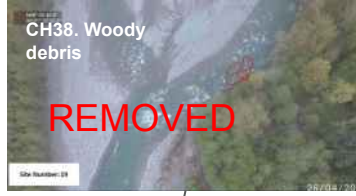




# Chilliwack River & Vedder River/Canal



# Chilliwack River & Vedder River/Canal





# Chilliwack River & Vedder River/Canal



# Chilliwack River & Vedder River/Canal





# Chilliwack River & Vedder River/Canal



# Chilliwack River & Vedder River/Canal Action Plan

| Action plan  | Estimated timeline for removal  |
|--|---|
| <ul style="list-style-type: none"> <li>• Crews prioritised human made debris that poses a high risk first, but otherwise removes all human made debris. Heavy equipment involved included excavators, rock truck and flatbed</li> <li>• Once debris was removed from the waterway, contractors followed waste management plans</li> <li>• Crew stopped work if human remains were found or unanticipated archaeological sites discovered</li> <li>• Natural debris was reviewed by QP, DFO and MOF to determine if it posed a threat to public safety and/or infrastructure</li> <li>• Additional debris was logged as information was obtained from aerial video, drone footage site visits and local communities.</li> </ul> | <ul style="list-style-type: none"> <li>• Linear debris work to continue</li> </ul>  |
| Contractors involved   | Waste management process  |
| <p>Debris removal: Stqó:ya Construction<br/>           Qualified Environmental: Stantec<br/>           Archeological Professional: Stolo Nation<br/>           Field Work Management: RAM Consulting<br/>           FN Monitors: IAMC<br/>           Linear Debris Removal: SWAT Consulting</p>  | <ul style="list-style-type: none"> <li>• Waste was staged and sorted</li> <li>• Legal owners notified</li> <li>• Metals were salvaged or recycled</li> <li>• Unsalvageable waste was sent to landfills under proper disposal protocols</li> <li>• See Appendix A Waste Management Strategic Plan</li> </ul> |

# Chilliwack River & Vedder River/Canal Response Action Plan

| Work completed prior week  | Upcoming work to be completed   |
|--|---|
|  | <ul style="list-style-type: none"><li>• Continue discussions with FN bands</li><li>• Mobilization of Linear debris crews anticipated early Oct.</li></ul> |
| Relevant contacts  | Debris removal close-out timeline:  |
| Contact for Contractors questions: <a href="mailto:mj.siahdashti@pwc.com">mj.siahdashti@pwc.com</a><br>Contact for Ministry of Environment: <a href="mailto:doc.ops.eep@gov.bc.ca">doc.ops.eep@gov.bc.ca</a> | <ul style="list-style-type: none"><li>• Large debris of currently identified sites was completed September 30th</li></ul>                                 |

# Chilliwack River & Vedder River/Canal

| Map ID | Description                     | Type    | Status                                    | Removal date |
|--------|---------------------------------|---------|---|--------------|
| CH-1   | Large volumes of natural debris | Natural | Out of scope                              | TBD          |
| CH-6   | Woody debris                    | Natural | Removed                                   | 2022-09-08   |
| CH-7   | Woody debris                    | Natural | Removed                                   | 2022-09-08   |
| CH-8   | Woody debris                    | Natural | Removed                                   | 2022-09-08   |
| CH-9   | Woody debris                    | Natural | Removed                                   | 2022-09-14   |
| CH-10  | Woody debris                    | Natural | Removed                                   | 2022-09-01   |
| CH-11  | Woody debris                    | Natural | Out of scope                              | 2022-08-24   |
| CH-12  | Woody debris                    | Natural | Out of scope                              | 2022-08-24   |
| CH-13  | Woody debris                    | Natural | Out of scope                              | 2022-08-24   |
| CH-14  | Large volumes of natural debris | Natural | Removed                                   | 2022-09-08   |
| CH-16  | Woody debris                    | Natural | Removed                                   | 2022-08-31   |
| CH-29  | Woody debris                    | Natural | Removed                                   | 2022-09-14   |
| CH-30  | Woody debris                    | Natural | Removed                                   | 2022-09-13   |
| CH-31  | Woody debris                    | Natural | Removed                                   | 2022-09-13   |
| CH-32  | Woody debris                    | Natural | Removed                                   | 2022-09-09   |
| CH-33  | Woody debris                    | Natural | Removed                                   | 2022-09-08   |
| CH-34  | Woody debris                    | Natural | Removal no longer required (out of scope) | 2022-09-28   |
| CH-35  | Woody debris                    | Natural | Removal no longer required (out of scope) | 2022-09-28   |
| CH-36  | Woody debris                    | Natural | Removed                                   | 2022-08-24   |
| CH-37  | Woody debris                    | Natural | Removed                                   | 2022-08-24   |
| CH-38  | Woody debris                    | Natural | Removed                                   | 2022-09-08   |
| CH-39  | Woody debris                    | Natural | Removed                                   | 2022-08-23   |
| CH-40  | Woody debris                    | Natural | Removed                                   | 2022-09-15   |
| CH-41  | Woody debris                    | Natural | Removed                                   | 2022-09-07   |



# Chilliwack River & Vedder River/Canal

| Map ID | Description                      | Type       | Status                                  | Removal date |
|--------|----------------------------------|------------|---|--------------|
| CH-42  | Woody debris                     | Natural    | Removed                                 | 2022-09-01   |
| CH-43  | Woody debris                     | Natural    | Debris no longer on site (removed)      | 2022-08-31   |
| CH-44  | Woody debris                     | Natural    | Removed                                 | 2022-09-08   |
| CH-45  | Woody debris                     | Natural    | Removed                                 | 2022-08-30   |
| CH-46  | Woody debris                     | Natural    | Removed                                 | 2022-08-30   |
| CH-47  | Woody debris                     | Natural    | Removed                                 | 2022-09-08   |
| CH-48  | Woody debris                     | Natural    | Removed                                 | 2022-08-31   |
| CH-49  | Woody debris                     | Natural    | Removed                                 | 2022-08-17   |
| CH-50  | Woody debris                     | Natural    | Removed                                 | 2022-08-17   |
| CH-51  | Woody debris                     | Natural    | Removed                                 | 2022-08-17   |
| CH-52  | Woody debris                     | Natural    | Removed                                 | 2022-08-26   |
| CH-53  | Woody debris                     | Natural    | Removed                                 | 2022-08-30   |
| CH-54  | Woody debris                     | Natural    | Removed                                 | 2022-08-24   |
| CH-55  | Woody debris                     | Natural    | Removed                                 | 2022-08-30   |
| CH-56  | Woody debris                     | Natural    | Identified - landowner approval pending | 2022-09-01   |
| CH-57  | Woody debris                     | Natural    | Removed                                 | 2022-08-24   |
| CH-58  | Weir at Smith Falls Creek        | Natural    | Concluded - Out of Scope                | TBD          |
| CH-59  | Rusty vehicle buried in dirt     | Human-made | Removed                                 | 2022-08-31   |
| CH-60  | Culvert at Soowahlie 14          | Human-made | Removed                                 | 2022-09-13   |
| CH-61  | Culvert at Slesse (1)            | Human-made | Removed                                 | 2022-09-13   |
| CH-62  | Culvert at Slesse (2)            | Human-made | Removed                                 | 2022-09-08   |
| CH-63  | Culvert near 49322 Neville Rd    | Human-made | Removed                                 | 2022-09-13   |
| CH-64  | Culvert near 49192 Bell Acres Rd | Human-made | Removed                                 | 2022-09-15   |
| CH-65  | Trailer frame                    | Human-made | Identified - landowner approval pending | 2022-09-30   |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# Chilliwack River & Vedder River/Canal

| Map ID | Description   | Type       | Status  | Removal date |
|--------|---|------------|---------|--------------|
| CH-66  | Steel grating on the bank of the river  | Human-made | Removed | 2022-09-20   |
| CH-67  | Stantec Site 2 - Two trees near south bank are in close proximity to thalweg  | Natural    | Removed | 2022-09-08   |
| CH-68  | Stantec Site 25 - Approximately 2-4 logs that partially extend into main channel at an angle  | Natural    | Removed | 2022-08-31   |
| CH-69  | Stantec Site 27 - Two large accumulations of trees are located on a mid-channel bar with several of the trees extending in to the north channel | Natural    | Removed | 2022-08-31   |



09

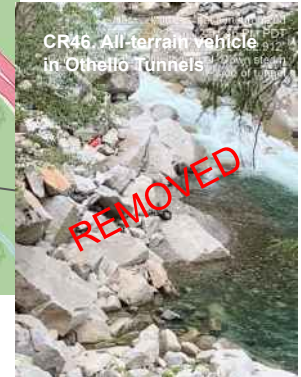
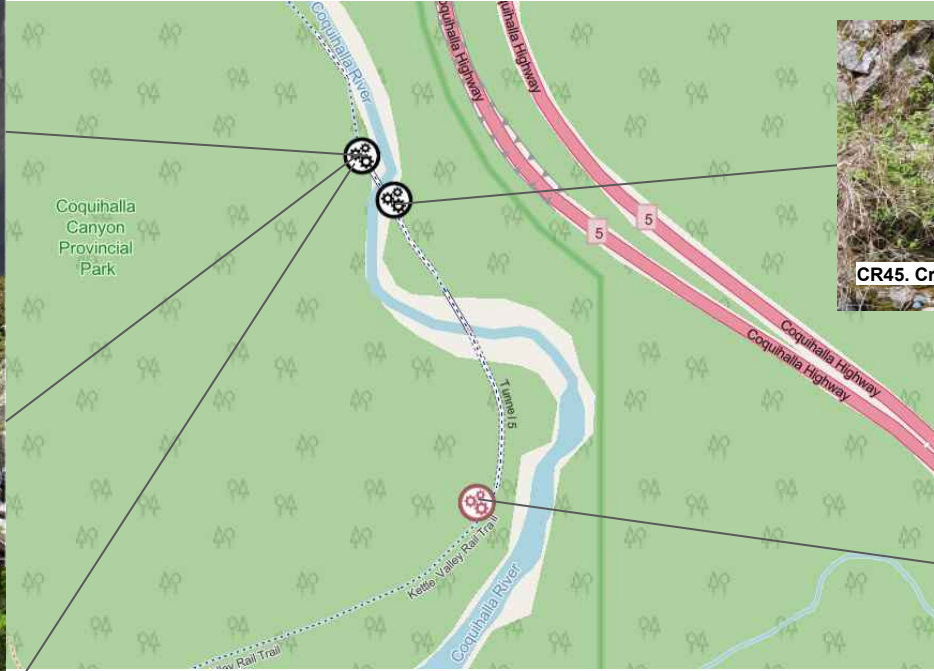
# Coquihalla River

# Coquihalla River

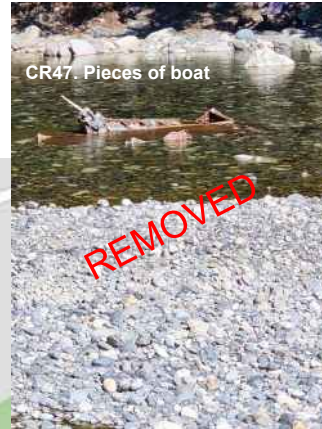
| OVERVIEW  |   |  |   |
|---|---|--|---|
| Work objectives   | Community discussions status  | Known debris   | Permits status  |
| <ol style="list-style-type: none"> <li>1. Remove human made debris and any natural debris causing threat to either public safety or infrastructure</li> <li>2. Preserve cultural and historically significant areas.</li> </ol> | <p>Continuing to schedule calls and visits with the remaining communities based on their availability.</p> <p>Recurring biweekly project update call with all local authorities and First Nations groups in the area have been cancelled as of Sept 21, 2022 as work winds down and attendance has decreased.</p> | <p>51 debris sites identified in total</p> <p>Phase 1 (see Appendix D)</p> <ul style="list-style-type: none"> <li>• 36 debris sites have removal completed; and</li> <li>• 6 have been assessed and concluded not to be removed</li> <li>• 5 handed over for third party resolution.</li> </ul> <p>Phase 2</p> <ul style="list-style-type: none"> <li>• 4 debris site have removal completed;</li> </ul> | <p>ARC Heritage Investigation Permit 2021-0453 Issued under Section 12.2 of the Heritage Conservation Act.</p> <p>MOF approval under Section 11 of the Water Sustainability Act; Permit issued on March 29, 2022. Extension to Change Approval 2009413 until Nov 30,2022 issued Oct 3, 2022.</p> <p>DFO Authorization under Paragraphs 34.4(2) (b) and 35(2)(b) of the Fisheries Act (Emergency Situations); Authorization issued ((Approval 22-HPAC-00204) Mar 3</p> <p>*Permits extended until September 30, 2022 have expired.</p> |



# Coquihalla River



# Coquihalla River



# Coquihalla River Response Action Plan

| Action plan  | Estimated timeline for removal   |
|--|--|
| <ul style="list-style-type: none"> <li>• Crews were deployed to the river in phases. Crews will prioritise human made debris that poses a high risk first, but otherwise remove all human made debris. Heavy equipment involved included excavators, rock truck and flatbed trucks</li> <li>• Once debris has been removed from the waterway, contractors will follow waste management plans</li> <li>• Crews stop work if human remains were found or unanticipated archaeological sites discovered</li> <li>• Natural debris was reviewed by QP, DFO and MOF to determine if it posed a threat to public safety and/or infrastructure</li> </ul> | <ul style="list-style-type: none"> <li>• Large debris removal is complete.</li> <li>• Linear debris removal in progress.</li> </ul>  |
| Contractors involved   | Waste management process   |
| <p>Debris removal: Stqó:ya Construction<br/>           Qualified Environmental: Stantec<br/>           Archeological Professional: Stolo Nation<br/>           FN Monitors: IAMC-TMX<br/>           Linear Debris Removal: SWAT Consulting</p>   | <ul style="list-style-type: none"> <li>• Waste will be staged and sorted</li> <li>• Legal owners will be notified</li> <li>• Metals will be salvaged or recycled</li> <li>• Unsalvageable waste will be sent to landfills under proper disposal protocols</li> <li>• See Appendix A Waste Management Strategic Plan</li> </ul> |

# Coquihalla River Response Action Plan

| Work completed prior week  | Upcoming work to be completed   |
|--|---|
| <ul style="list-style-type: none"><li>• SWAT continued removal of the linear debris removal on Coquihalla River</li></ul>  | <ul style="list-style-type: none"><li>• SWAT to continue removal of the linear debris removal on Coquihalla River</li><li>• Continue engagement with FN communities in area</li></ul> |
| Relevant contacts  | Debris removal close-out timeline:  |
| <p>Contact for Contractors questions: <a href="mailto:mj.siahdashti@pwc.com">mj.siahdashti@pwc.com</a><br/>Contact for Ministry of Environment: <a href="mailto:doc.ops.eep@gov.bc.ca">doc.ops.eep@gov.bc.ca</a></p> | <ul style="list-style-type: none"><li>• Large debris removal of currently identified site completed September 30th.</li></ul>   |



# Coquihalla River

| Map ID | Contract or ID* | Description                                       | Type       | Status  | Removal date |
|--------|-----------------|---|------------|---------|--------------|
| CR-44  | CR-11           | Assorted anthropogenic debris including boat hull | Human-made | Removed | 2022-06-07   |
| CR-45  |                 | Crushed car at Othello                            | Human-made | Removed | 2022-08-08   |
| CR-46  |                 | All-terrain vehicle in Othello Tunnels            | Human-made | Removed | 2022-09-27   |
| CR-47  |                 | Pieces of boat                                    | Human-made | Removed | 2022-09-19   |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.



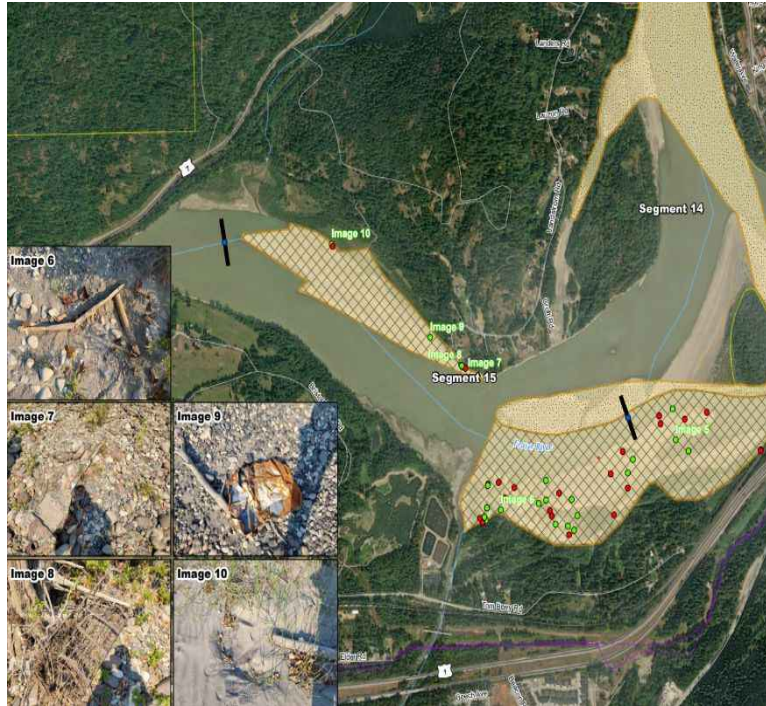
10

Southwest  
Region  
Linear  
Debris  
Removal

# Linear Debris Progress - Southwest Region

| Work completed prior week  | Upcoming work to be completed  |
|--|--|
| <ul style="list-style-type: none"><li>Continued with linear debris removal along Fraser; and</li><li>Continued with linear debris removal along Coquihalla River.</li></ul>  | <ul style="list-style-type: none"><li>Complete linear debris removal along Fraser River</li><li>Continue with linear debris removal along Coquihalla River.</li></ul>  |
| Relevant contacts  | Debris removal close-out timeline:   |
| <p>Contact for Contractors questions: <a href="mailto:mj.siahdashti@pwc.com">mj.siahdashti@pwc.com</a><br/>Contact for Ministry of Environment: <a href="mailto:doc.ops.eep@gov.bc.ca">doc.ops.eep@gov.bc.ca</a></p> | <p>Close-out timeline is subject to change due to delays caused by heat, wildfires, and/or other external factors:</p> <ul style="list-style-type: none"><li>Linear debris along the Fraser river to be completed by mid October 2022 and along the Coquihalla River by end of October 2022; and</li></ul> |

# Linear Debris Field Progress Fraser River



- Debris remains in place
- Debris Removed



# Linear Debris Field Progress Coquihalla River



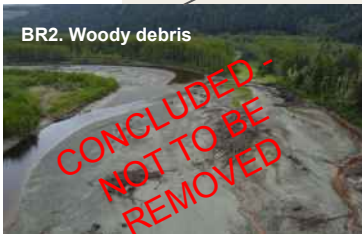
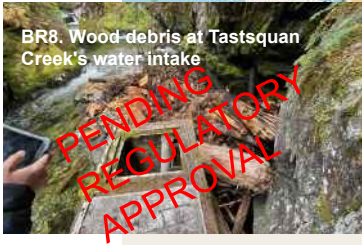
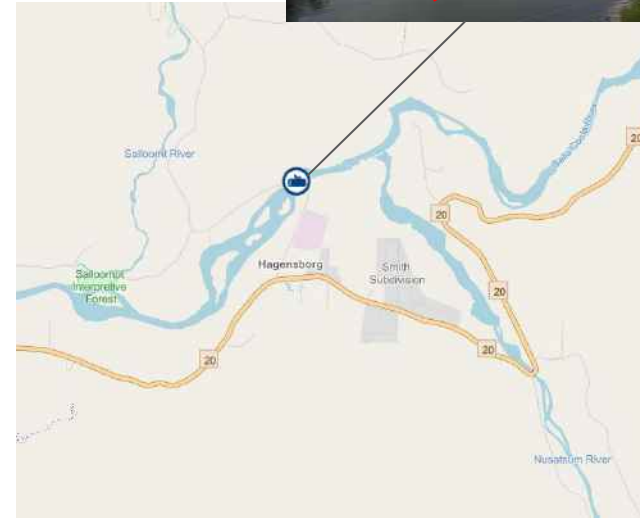
- Debris remains in place
- Debris Removed



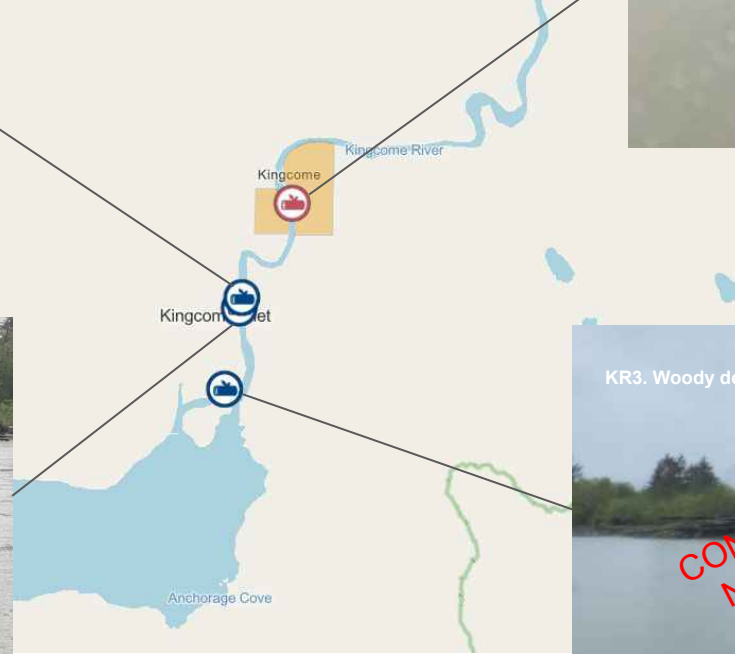
11

Other sites  
(Bella Coola  
& Kingcome)

# Bella Coola River



# Kingcome River

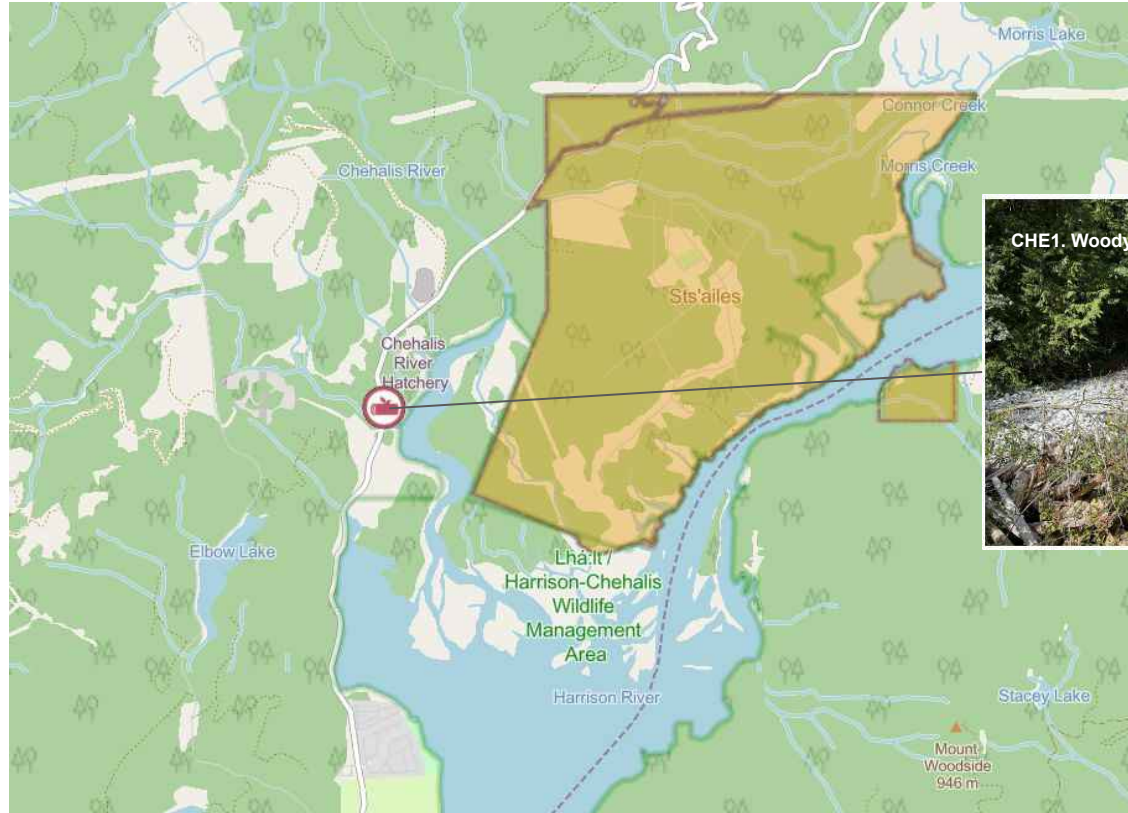




# Nahatlatch River



# Chehalis River



# Bella Coola, Kingcome, Nahatlatch, Chehalis Rivers

| Map ID | Description   | Type    | Status                                   | Removal date |
|--------|---|---------|--|--------------|
| BR-1   | Woody debris  | Natural | Concluded - Out of Scope                 | N/A          |
| BR-2   | Woody debris  | Natural | Concluded - Out of Scope                 | N/A          |
| BR-3   | Woody debris  | Natural | Concluded - Out of Scope                 | N/A          |
| BR-4   | Woody debris  | Natural | Concluded - Out of Scope                 | N/A          |
| BR-5   | Woody debris  | Natural | Concluded - Out of Scope                 | N/A          |
| BR-6   | Woody debris  | Natural | Concluded - Out of Scope                 | N/A          |
| BR-7   | Woody debris  | Natural | Concluded - Out of Scope                 | N/A          |
| BR-8   | Wood debris at Tastsquan Creek's water intake                   | Natural | Identified (pending regulatory approval) | TBD          |
|        |   |         |  |              |
| KR-1   | Woody debris  | Natural | Concluded - Out of Scope                 | N/A          |
| KR-2   | Woody debris  | Natural | Identified                               | N/A          |
| KR-3   | Woody debris  | Natural | Concluded - Out of Scope                 | N/A          |
| KR-4   | Woody debris  | Natural | Concluded - Out of Scope                 | N/A          |
|        |   |         |  |              |
| NAH-1  | Road washout - salmon fry rear pond affected - debris collected | Natural | Identified                               | N/A          |
|        |   |         |  |              |
| CHE-1  | Woody debris  | Natural | Identified                               | N/A          |



12

Appendices



# Appendix A - Waste Management strategic plan

For each piece of debris taken from a river system the following assessment will be conducted

1. Identify owner. Where relevant if an owner is identified they will be contacted to recover the debris from a specific location within a relevant timeframe. If not collected within the agreed timeframe, a decision will be made on a specific item basis on next steps. This may include
  - a. Moving the item to a holding location or transporting to the owner
  - b. Having owner approval that the item can be disposed of directly
  
2. For all debris not matched to an owner this be sorted at an agreed staging area on the banks of the water system.
  - a. The staging area will be clearly marked and have layout zones on site for material types so that debris can be collected into appropriate areas. The types are:
    - i. Green Waste/Vegetative Debris
    - ii. Wood
    - iii. Construction/Demolition Debris
    - iv. Bulky Solid Waste
    - v. White Goods
    - vi. Metals includes vehicles
    - vii. Household Hazardous Waste (HHW)
    - viii. Non-Putrescent Municipal Solid Waste
    - ix. E-waste includes computers, tablets, phones, etc.
  - b. If waste has any risk of leakage, the area will be appropriately tarped and covered before debris is moved to the staging area.

# Appendix A - Waste Management strategic plan

3. There are four primary methods for addressing debris. 1. Reuse 2. Recycle 3. Energy recovery; and 4. Dispose. At the staging area the debris will be sorted into the following categories:

- a. Green Waste/Vegetative Debris includes organic materials such as small tree branches (<30cm diameter) and animal feed – destined for composting
- b. Wood Stockpile includes untreated wood such as tree trunks, lumber, pallets etc. - destined for chipping and composting or incineration for energy. (if local landowners cannot use for personal purposes)
- c. Construction/Demolition Debris includes treated wood, drywall, insulations, etc. (do not include asbestos containing material) - destined for landfill
- d. Bulky Solid Waste includes objects that do not fit the other categories, such as mattresses, etc. – destined for reuse, recycling or refuse depending on object.
- e. White Goods include appliances such as fridges and freezers - destined for reuse if still in good working order or recycling after ozone depleting substances have been removed
- f. Metals includes vehicles, miscellaneous metals - destined for recycling
- g. Household Hazardous Waste (HHW) is hazardous waste that originates from residences and will require special disposal. Examples of HHW include flammable liquids, pool chemicals, paint, propane cylinders, and other material banned from disposal in municipal landfills. This waste will be destined for a HW management company, local Return Collection Facility, and/or temporary HHW transfer station.
- h. Non-Putrescent Municipal Solid Waste – is all other small non-organic waste that does not fall into these other categories. e.g. old toys, spoiled clothing, etc. – destined for reuse, recycling or refuse depending on object.
- i. E-waste includes computers, tablets, phones, etc. – destined for recycling.

# Appendix B - Contaminant Sampling Plan at debris removal sites

## **Sites with large debris items - what sites are being tested?**

- Qualified Environmental Professionals have assessed and confirmed that surface water is not expected to have detectable levels of contamination at the known debris sites. Basic water quality parameter sampling at sites in stream will include turbidity as needed.
- Soil/sediment sampling may occur in the vicinity around a debris item and will be determined on a site by site basis. Requirement to sample is highly dependant on the type of debris and potential for contamination
- It is expected that contamination, if present, will be primarily within soil/sediment due to leaks, spills or within debris remnants.
- Detectable observations of hydrocarbons within soil/sediment via visual or odor will automatically be tested and soil will be removed and delineated from other material that is removed from a site.
- General mixed construction and demo waste and building materials will be evaluated for potential sources of hazardous wastes by onsite staff and Contractor.
- If a vehicle or debris item is removed with soil/sediment in it, the soil/sediment will be collected and stored at a staging area and tested for potential contaminants prior to disposal.

## **Sites with large debris items - what contaminants are being tested?**

Testing will primarily focus on potential hydrocarbon contamination and identification of hazardous construction waste with a focus on the following potential contaminants of concern:

- Benzene, Toluene, Ethylbenzene and Xylene / Volatile Petroleum Hydrocarbons (BTEX/VPH),
- Light Extractable Petroleum Hydrocarbons / Heavy Extractable Petroleum Hydrocarbons / Polycyclic Aromatic Hydrocarbons (LEPH/HEPH/ PAHs),
- Metals, which will include lead paints, mercury etc. from construction and demo debris fluorescent lighting,
- Volatile Organic Compounds (VOCs),
- Glycols and Polychlorinated Biphenyls (PCBs).

# Appendix B - Contaminant Sampling Plan at debris removal sites

## **Sites with small debris items**

- The hand picking small debris teams are testing for health and safety requirements
- This is focused on testing soil samples in areas of their work for E.coli and Fecal Coliform prior to working in the area
- The team has a Qualified Biologist on site at all times.

## **Sampling safety across all sites**

- All samples will be taken with the appropriate Personal Protective Equipment (PPE) being worn at all times, by trained and qualified professionals and in accordance with standard sampling procedures.
- Where there is a potential risk to health and safety, alternate forms of clean up and disposal may have to be considered (i.e. hazmat assessment).
- Sources may include (but not be limited to): Building materials containing asbestos (potentially a health and safety concern – alternate arrangements and sampling required by others), lead paint, paints and thinners, fluorescent lamps/lights and ballasts, thermostats, electrical equipment, batteries, glues and solvents, and cooling systems.

## **Sampling results**

- Depending on location and team, samples will be submitted to an accredited Canadian laboratory for analysis and results will be shared.



# Appendix B - Environmental Sampling Program

## **The objectives of the sampling program performed by the Contractor on behalf of the Province are as follows:**

1. Assist the Province in development of a sampling strategy and plan for assessing the safety of waterways (scope to be defined, including the parameters of concern).
2. Complete a comprehensive sampling program that is consistent with the sampling plan developed and approved to address potential contamination concerns related to residual flood effects along the waterways. This sampling program will consist of a single sampling campaign in all waterways subject to this assessment.
3. Perform confirmatory sampling following removal of debris material that has been determined by others to be contaminated or that potential residual contamination risks have been identified by the debris removal teams.
4. Present all sampling results in factual memorandum to document findings and recommendations (if needed).
5. Compile and manage analytical results obtained by the Province's various contractors and integration into a common web map application and database to be made available to the public.

## **The waterways of concern identified for this assessment:**

1. **Area 1** in the Merritt Study Area (Nicola River – from Spences Bridge to Merritt and Coldwater River from Merritt to Juliet Drive Junction)
2. **Area 2** in the Princeton Study Area (Tulameen River – from Tulameen to Princeton and Similkameen River – from Princeton to Eastgate)
3. **Area 3** in the Sumas Prairie Study Area (Lower Fraser Valley Waterways from Hope to Abbotsford)

## **Media of concern:**

1. The media of concern are surface water, submerged river sediments and soil (including seasonally exposed river sediments).

## **Technical working group:**

1. A team of key individuals from ENV will be assigned to assist / review / validate the sampling work being performed on behalf of the Province. This team has not been assigned at this point.

## **Community engagement:**

1. The Province (with support from the Contractor) should engage with the communities that use these waterways, to obtain their knowledge and input on how the waterways are used. Once this is established, the Contractor will work with the Province to establish the sampling framework.
2. In the event that specific environmental issues are identified to the Province by the local communities, the Contractor may assist the Province to address these issues. However, these interventions are out of scope at this point.

## Appendix C - Glossary

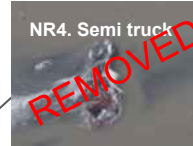
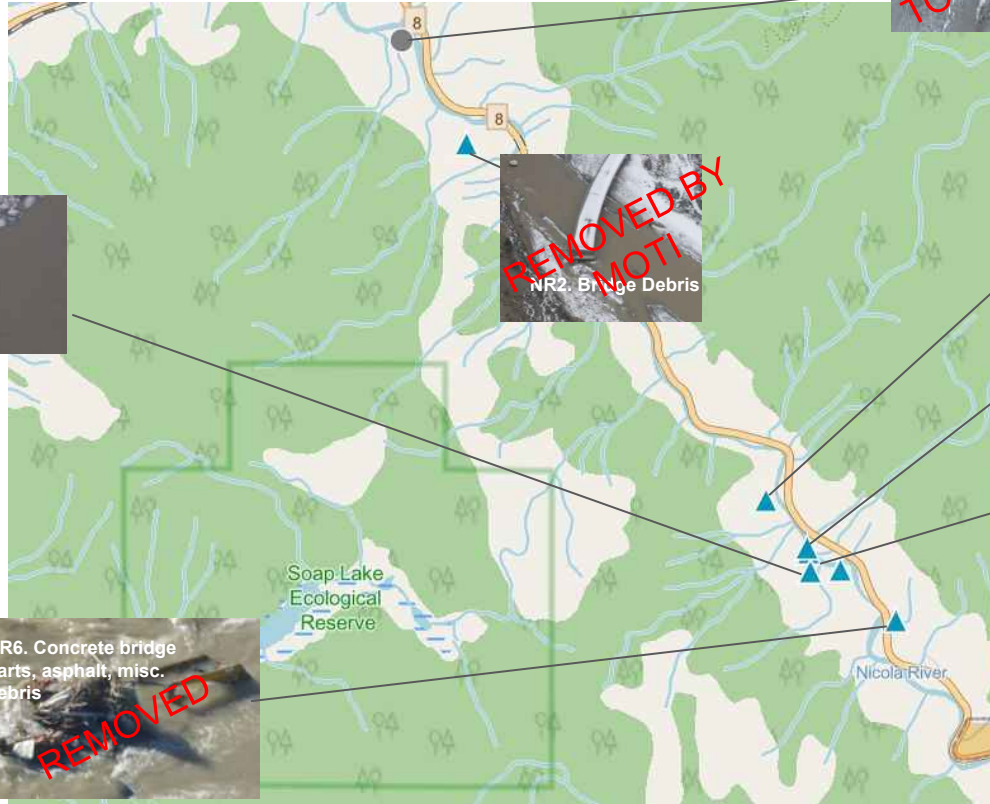
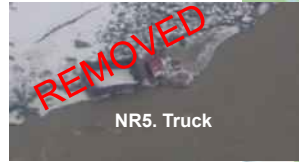
| Acronym     | Description   |
|-------------|---|
| ARC         | British Columbia Archaeology Branch   |
| BR          | Bella Coola River   |
| CH          | Chilliwack River  |
| CR          | Coquihalla River  |
| CRS         | Coastal Restoration Society   |
| CW          | Coldwater River   |
| DFO         | Department of Fisheries and Oceans Canada   |
| FLNRO / MOF | The Ministry of Forests, Lands, Natural Resource Operations and Rural Development |
| FN          | First Nation  |
| FR          | Fraser River  |
| KR          | Kingcome River  |

| Acronym | Description                       |
|---------|-----------------------------------|
| LNIB    | Lower Nicola IB                   |
| LSIB    | Lower Similkameen IB              |
| NOI     | Notice of Intent                  |
| NR      | Nicola River                      |
| OLF     | Ocean Legacy Foundation           |
| QP      | Qualified Professional            |
| SR      | Similkameen River                 |
| THR     | Thompson River                    |
| TR      | Tulameen River                    |
| TNRD    | Thompson-Nicola Regional District |
| USIB    | Upper Similkameen IB              |

# Appendix D - Phase 1 Debris Removal

|   | Watercourses  | Page      |
|---|---|-----------|
| 1 | Nicola River (Highway 8; Spences Bridge to Merritt) | 116 - 128 |
| 2 | Coldwater River (Highway 5)                         | 129 - 137 |
| 3 | Thompson River                                      | 138 - 140 |
| 4 | Tulameen River                                      | 141 - 150 |
| 5 | Similkameen River                                   | 151 - 155 |
| 6 | Fraser River  | 156 - 165 |
| 7 | Chilliwack River                                    | 166 - 171 |
| 8 | Coquihalla River                                    | 172 - 181 |

# 01. Nicola River - Known Debris

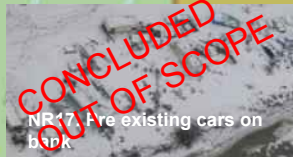
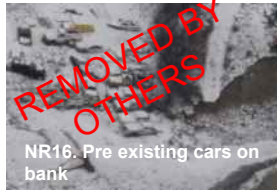


# 01. Nicola River - Known Debris

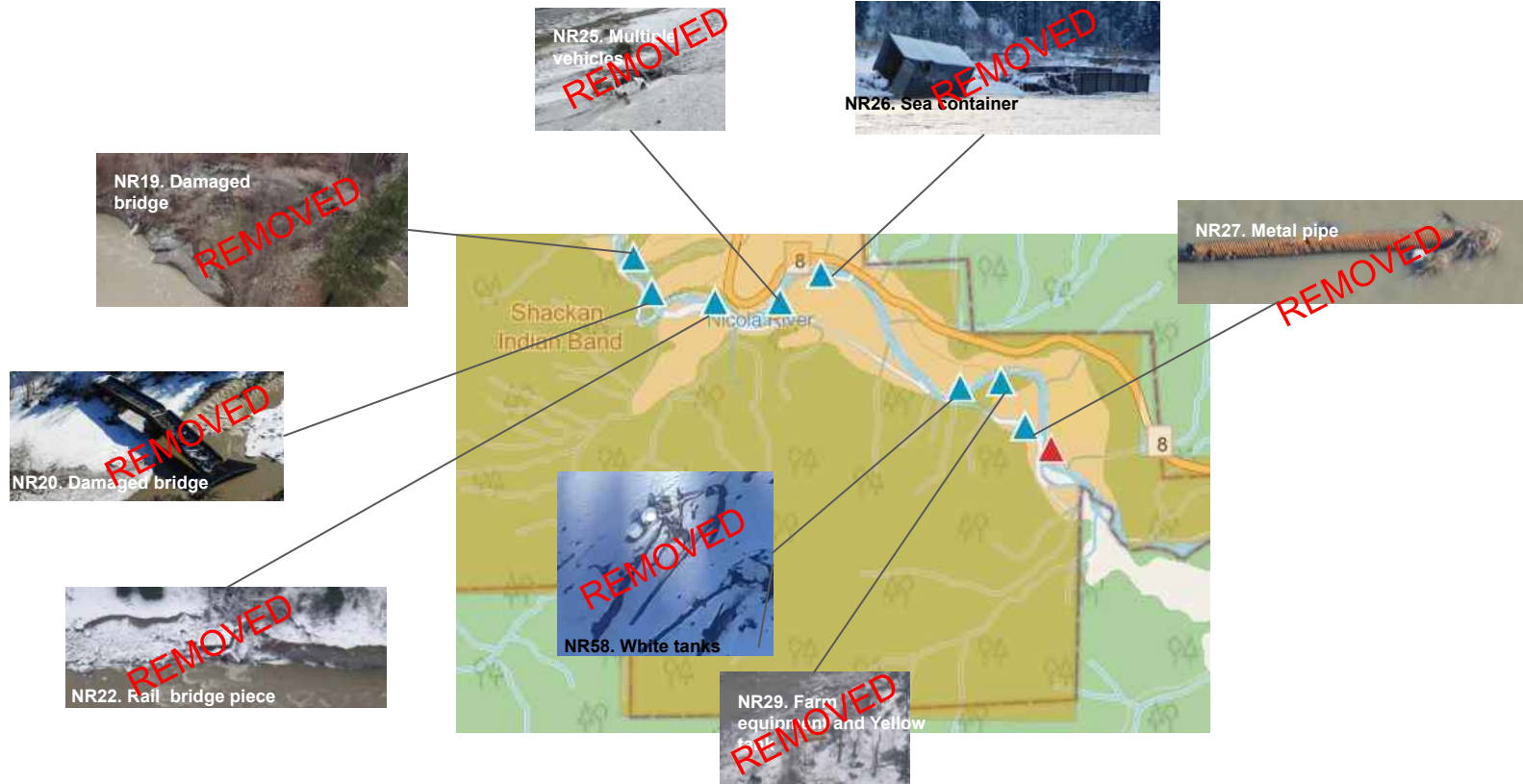




# 01. Nicola River - Known Debris

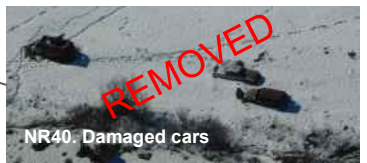
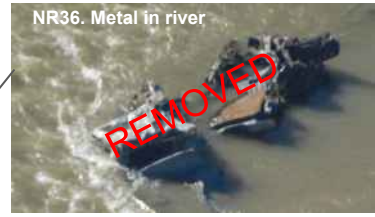
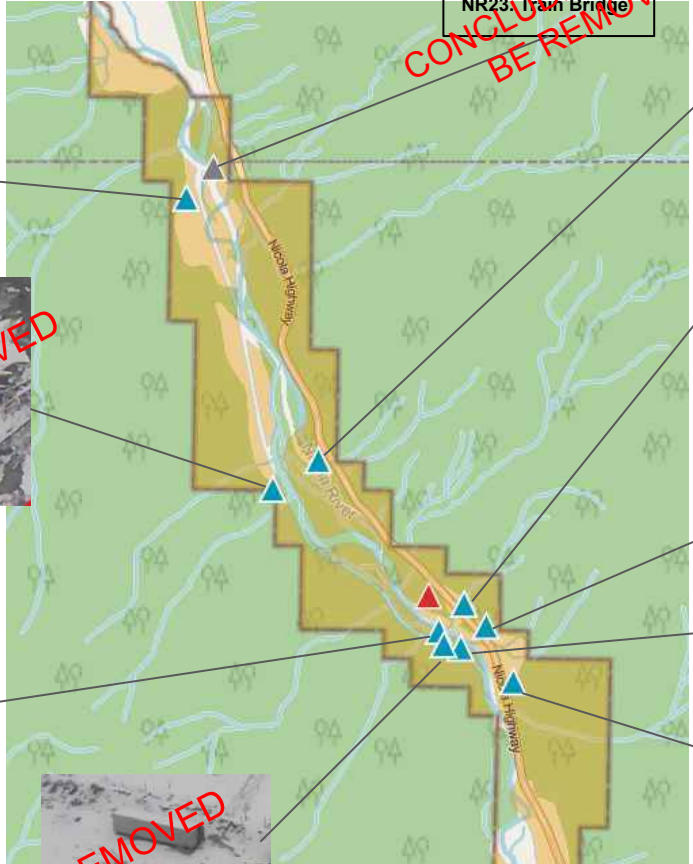


# 01. Nicola River - Known Debris

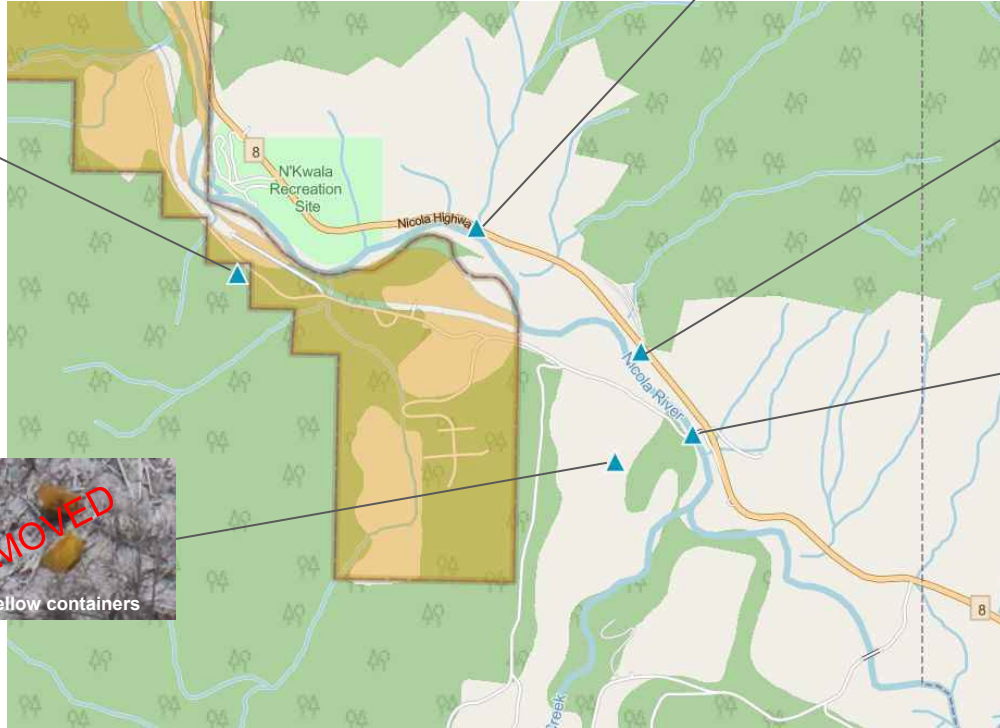


# 01. Nicola River - Known Debris

**CONCLUDED - NOT TO BE REMOVED**



# 01. Nicola River - Known Debris



REMOVED

NR42. Submerged roads and infrastructure (no picture available)



REMOVED

NR45. Damaged bridge (to be addressed by FLNRO) and Housing material



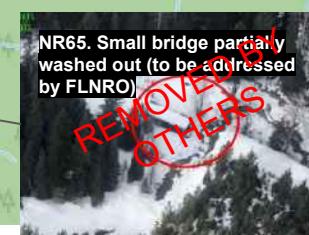
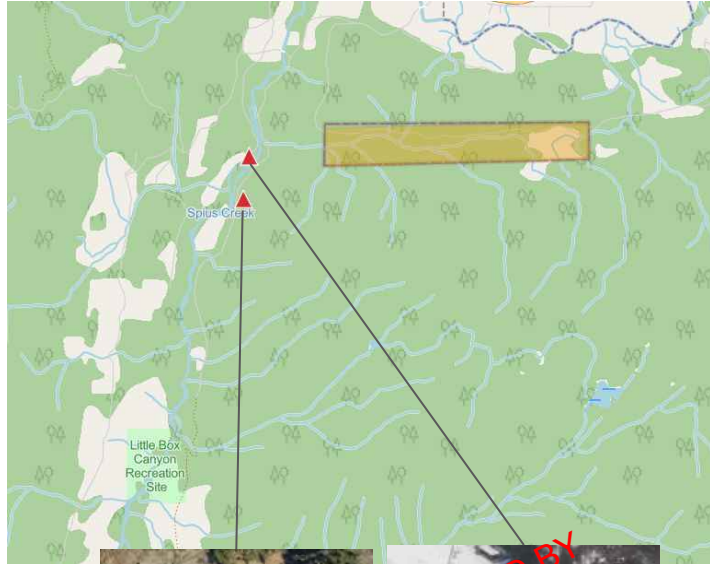


# 01. Nicola River - Known Debris

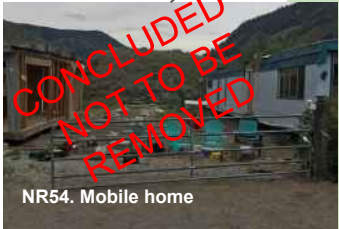




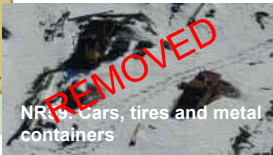
# 01. Nicola River - Known Debris



# 01. Nicola River - Known Debris



NR30. Human made debris consisting of telephone poles, wheels and household items (no picture available)



# 01. Nicola River

| Map ID | Contractor ID* | Description                                  | Type        | Status      | Removal date |
|--------|----------------|--|-------------|-------------|--------------|
| NR-3   | N/A            | Placeholder                                  | Placeholder | Placeholder |              |
| NR-4   | NI_07.3        | Semi truck in river                          | Human-made  | Removed     | 2022-04-13   |
| NR-5   | NI_07.9        | Truck  | Human-made  | Removed     | 2022-04-13   |
| NR-6   | NI_12.2        | Concrete bridge parts, asphalt, misc. debris | Human-made  | Removed     | 2022-04-20   |
| NR-7   | NI_12.6        | Concrete and pipes                           | Human-made  | Removed     | 2022-04-20   |
| NR-9   | N/A            | Concrete                                     | Human-made  | Removed     | 2022-04-06   |
| NR-10  | N/A            | Wooden furniture                             | Human-made  | Removed     | 2022-04-27   |
| NR-11  | NI_16.1        | Tractor, ATV, trailer and tin roof           | Human-made  | Removed     | 2022-04-20   |
| NR-12  | NI_16.1        | Damaged metal barrel                         | Human-made  | Removed     | 2022-04-20   |
| NR-13  | NI_16.8        | Irrigation pivot line                        | Human-made  | Removed     | 2022-04-20   |
| NR-14  | N/A            | Metal debris                                 | Human-made  | Removed     | 2022-05-04   |
| NR-15  | NI_39.9        | Green roofing                                | Human-made  | Removed     | 2022-04-27   |
| NR-19  | NI_24.8b       | Damaged bridge                               | Human-made  | Removed     | 2022-04-06   |
| NR-20  | NI_25.6        | Damaged bridge                               | Human-made  | Removed     | 2022-04-20   |
| NR-21  | N/A            | Placeholder                                  | Placeholder | Placeholder |              |
| NR-22  | NI_12.6b_      | Rail bridge piece                            | Human-made  | Removed     | 2022-04-06   |
| NR-25  | NI_25.7        | Multiple vehicles                            | Human-made  | Removed     | 2022-03-30   |
| NR-26  | NI_26.2        | Sea container                                | Human-made  | Removed     | 2022-03-30   |
| NR-27  | N/A            | Metal pipe                                   | Human-made  | Removed     | 2022-04-06   |
| NR-29  | NI_28.0        | Farm equipment and yellow tank               | Human-made  | Removed     | 2022-03-30   |
| NR-32  | N/A            | Placeholder                                  | Placeholder | Placeholder |              |
| NR-33  | NI_37.8        | Damaged motorhome, woody debris              | Human-made  | Removed     | 2022-04-27   |
| NR-34  | NI_39.9        | Metal  | Human-made  | Removed     | 2022-04-27   |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# 01. Nicola River

| Map ID | Contractor ID* | Description                                 | Type       | Status  | Removal date |
|--------|----------------|---|------------|---------|--------------|
| NR-35  | NI_39.9        | Wooden roofing                              | Human-made | Removed | 2022-04-27   |
| NR-36  | NI_41.5        | Metal in river                              | Human-made | Removed | 2022-04-06   |
| NR-37  | NI_41.9        | Metal pipe in river                         | Human-made | Removed | 2022-04-06   |
| NR-38  | NI_46.0        | Sea container                               | Human-made | Removed | 2022-02-22   |
| NR-39  | NI_41.9        | Cars, industrial metal                      | Human-made | Removed | 2022-04-27   |
| NR-40  | N/A            | Damaged cars                                | Human-made | Removed | 2022-04-27   |
| NR-41  | N/A            | Tan sea container                           | Human-made | Removed | 2022-04-27   |
| NR-42  | N/A            | Submerged infrastructure                    | Human-made | Removed | 2022-04-27   |
| NR-43  | NI_50.0        | Unknown debris                              | Human-made | Removed | 2022-04-27   |
| NR-44  | N/A            | Yellow container                            | Human-made | Removed | 2022-03-23   |
| NR-47  | NI_56.5        | Industrial material                         | Human-made | Removed | 2022-04-27   |
| NR-49  | NI_58.0        | Tires, farm equipment and pickup truck      | Human-made | Removed | 2022-03-23   |
| NR-52  | NI_07.9        | Motor home                                  | Human-made | Removed | 2022-04-13   |
| NR-53  | NI_07.9        | Pickup truck                                | Human-made | Removed | 2022-04-13   |
| NR-57  | N/A            | Metal trailer                               | Human-made | Removed | 2022-04-20   |
| NR-58  | N/A            | White tanks                                 | Human-made | Removed | 2022-04-13   |
| NR-60  | N/A            | House on banks and other house debris       | Human-made | Removed | TBC          |
| NR-61  | NI 69.2        | Two vehicles                                | Human-made | Removed | 2022-04-20   |
| NR-67  | N/A            | Woody debris                                | Natural    | Removed | TBC          |
| NR-68  | N/A            | Woody debris                                | Natural    | Removed | TBC          |
| NR-24  | NI_31.1        | Metal pile mixed with natural debris        | Human-made | Removed | 2022-05-18   |
| NR-30  | NI_06.8Tele    | Telephone poles, wheels and household items | Human-made | Removed | 2022-05-18   |
| NR-48  | NI_57.2        | Metal sheets and wires                      | Human-made | Removed | 2022-06-01   |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# 01. Nicola River

| Map ID | Contractor ID* | Description                                 | Type       | Status                     | Removal date |
|--------|----------------|---|------------|----------------------------|--------------|
| NR-50  | NI_61.0        | Metal pipes                                 | Human-made | Removed                    | 2022-05-24   |
| NR-59  | NI_41.5        | Cars, tires and metal containers            | Human-made | Removed                    | TBD          |
| NR-2   | MOTI           | Damaged bridge                              | Human-made | Removed by MOTI            | 2022-04-13   |
| NR-16  | NI_19.0        | Pre-existing cars on bank                   | Human-made | Removed by Local Community | 2022-04-20   |
| NR-31  | FLNRO          | Bridge piece (FLNRO)                        | Human-made | Removed by FLNRO           | 2022-04-20   |
| NR-45  | FLNRO          | Damaged bridge (FLNRO) and housing material | Human-made | Removed by FLNRO           | 2022-04-06   |
| NR-46  | SP 3           | Damaged house and housing material by river | Human-made | To be Removed by Others    | TBC          |
| NR-51  | FLNRO          | Bridge (FLNRO)                              | Human-made | Removed by FLNRO           | 2022-04-20   |
| NR-62  | N/A            | Undermined farm building                    | Human-made | To be Removed by Others    | TBC          |
| NR-63  | FLNRO          | Washed out bridge deck                      | Human-made | To be Removed by FLNRO     | TBC          |
| NR-64  | FLNRO          | Undermined bridge                           | Human-made | To be Removed by FLNRO     | TBC          |
| NR-65  | FLNRO          | Small bridge partially washed out           | Human-made | To be Removed by FLNRO     | TBC          |
| NR-66  | FLNRO          | Bridge washed out over Spius Creek          | Human-made | To be Removed by FLNRO     | TBC          |
| NR-1   | N/A            | Woody deris                                 | Natural    | Concluded - Out of Scope   | N/A          |
| NR-8   | N/A            | Sediment and concrete                       | Human-made | Concluded - Out of Scope   | N/A          |
| NR-17  | N/A            | Cars on bank                                | Human-made | Concluded - Out of Scope   | N/A          |
| NR-18  | N/A            | Cars, houses, furniture and other metal     | Human-made | Concluded - Out of Scope   | N/A          |
| NR-23  | N/A            | Train bridge                                | Human-made | Concluded - Out of Scope   | N/A          |
| NR-54  | NI_07.9        | Mobile home                                 | Human-made | Concluded - Out of Scope   | N/A          |
| NR-56  | N/A            | Woody debris                                | Natural    | Concluded - Out of Scope   | N/A          |

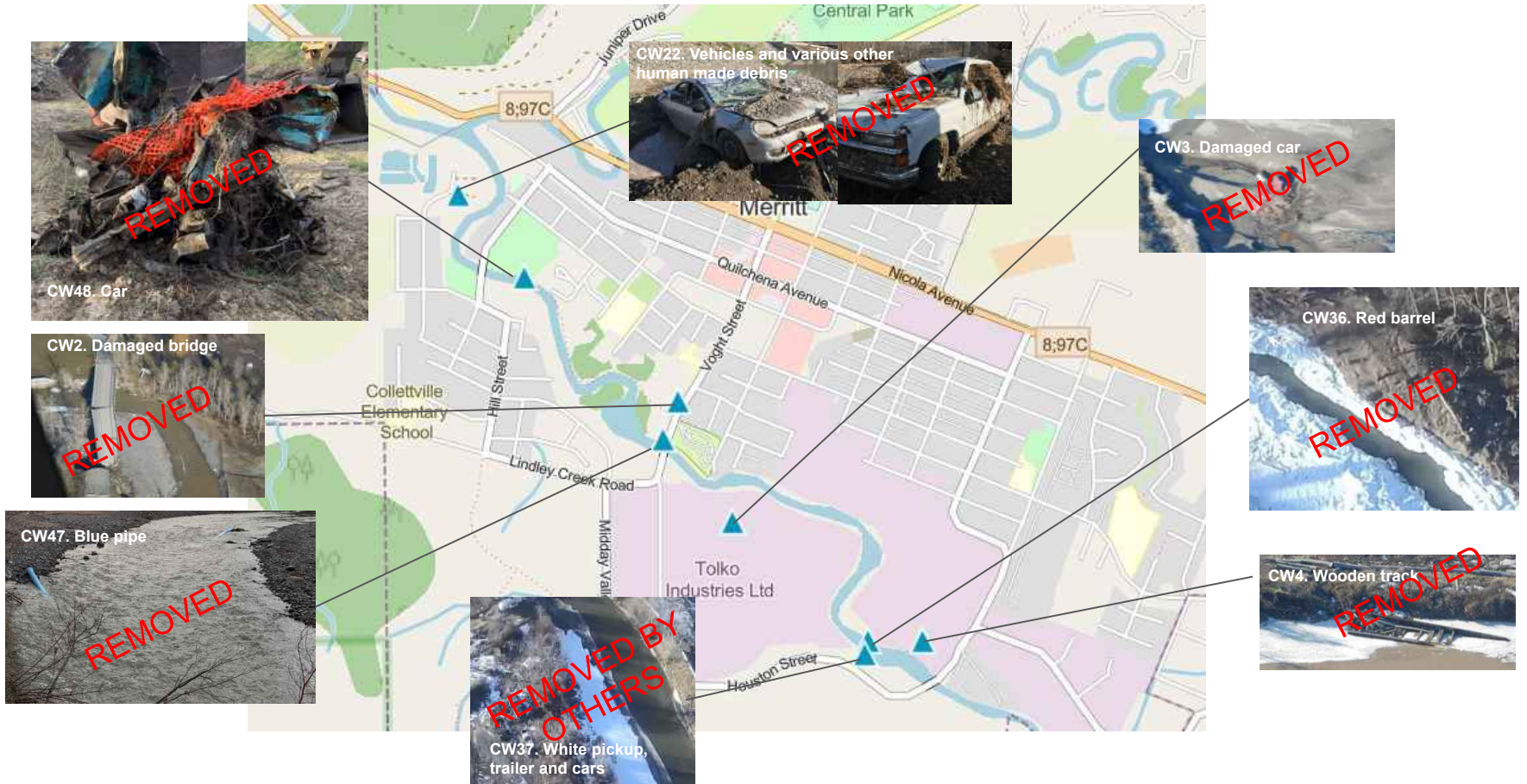
\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.



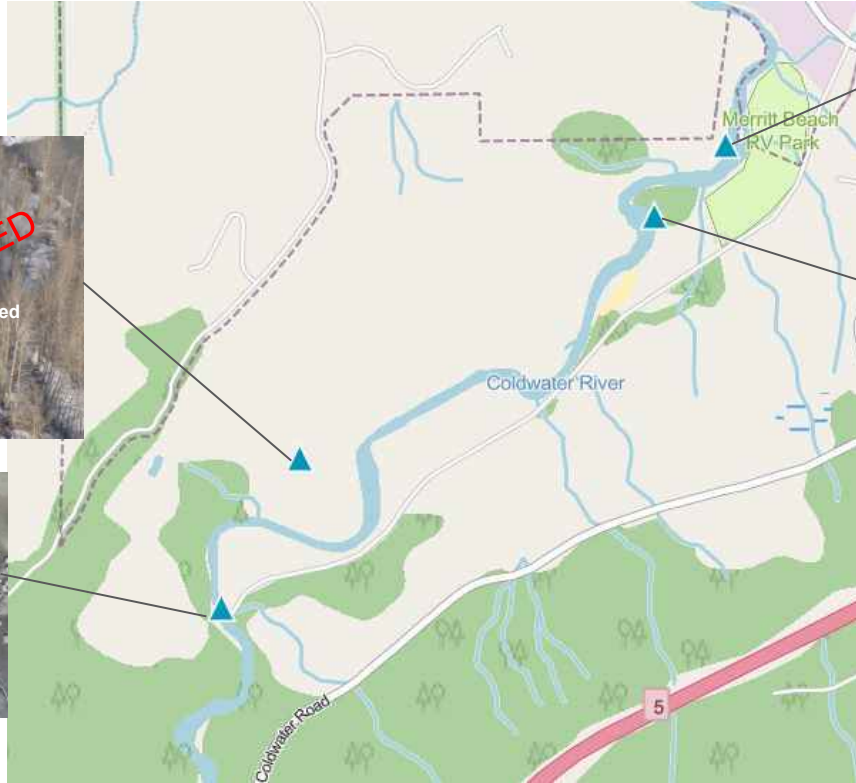
# 01. Nicola River - vehicles removed

| Location | Make       | Model           | Removal date |
|----------|------------|-----------------|--------------|
| NI101.1  | Unknown    | Quad 2008       | 2022-04-23   |
| NI101.1  | Unknown    | Quad Loncin     | 2022-04-23   |
| NI101.1  | Unknown    | Snow mobile     | 2022-04-23   |
| NR-16    | Ford       | Focus           | Landowner    |
| NR-16    | Ford       | Focus           | Landowner    |
| NR-16    | Dodge      | Caravan         | Landowner    |
| NR-16    | Chevy      | Truck           | Landowner    |
| NI23.3   | Chevy      | Truck           | 2022-04-23   |
| NR-25    | Chevy      | Cavalier        | 2022-03-31   |
| NR-25    | Suzuki     | Grand Vitara    | 2022-04-05   |
| NR-29    | Toyota     | Truck           | 2022-04-20   |
| NR-26    | Chevy      | TBC             | 2022-04-25   |
| NR-26    | Ranger     | Truck 1977      | 2022-04-25   |
| NR-26    | Swather    | TBC             | 2022-04-26   |
| NI4.2    | Ford       | E-450 2004      | 2022-04-08   |
| NR-36    | Ford       | Cab             | 2022-04-08   |
| NR-36    | Ford       | F150 Truck      | 2022-03-22   |
| NR-36    | Ford       | F150            | 2022-04-08   |
| NR-47    | Ford       | F150 1997       | 2022-03-22   |
| NR-61    | Ford       | F350 2000       | 2022-04-23   |
| NR-61    | Ford       | Econoline E350  | 2022-04-23   |
| NR-61    | Unknown    | Trailer 2021    | 2022-04-23   |
| NR-61    | Suzuki     | Quad            | 2022-04-23   |
| NR-61    | Unknown    | Car 200         | 2022-04-23   |
| NR-4     | Truck      | Unknown Vehicle | 2022-04-23   |
| NR-52    | Semi Truck | Unknown Vehicle | 2022-04-13   |
| NR-53    | Semi Truck | Unknown Vehicle | 2022-04-13   |

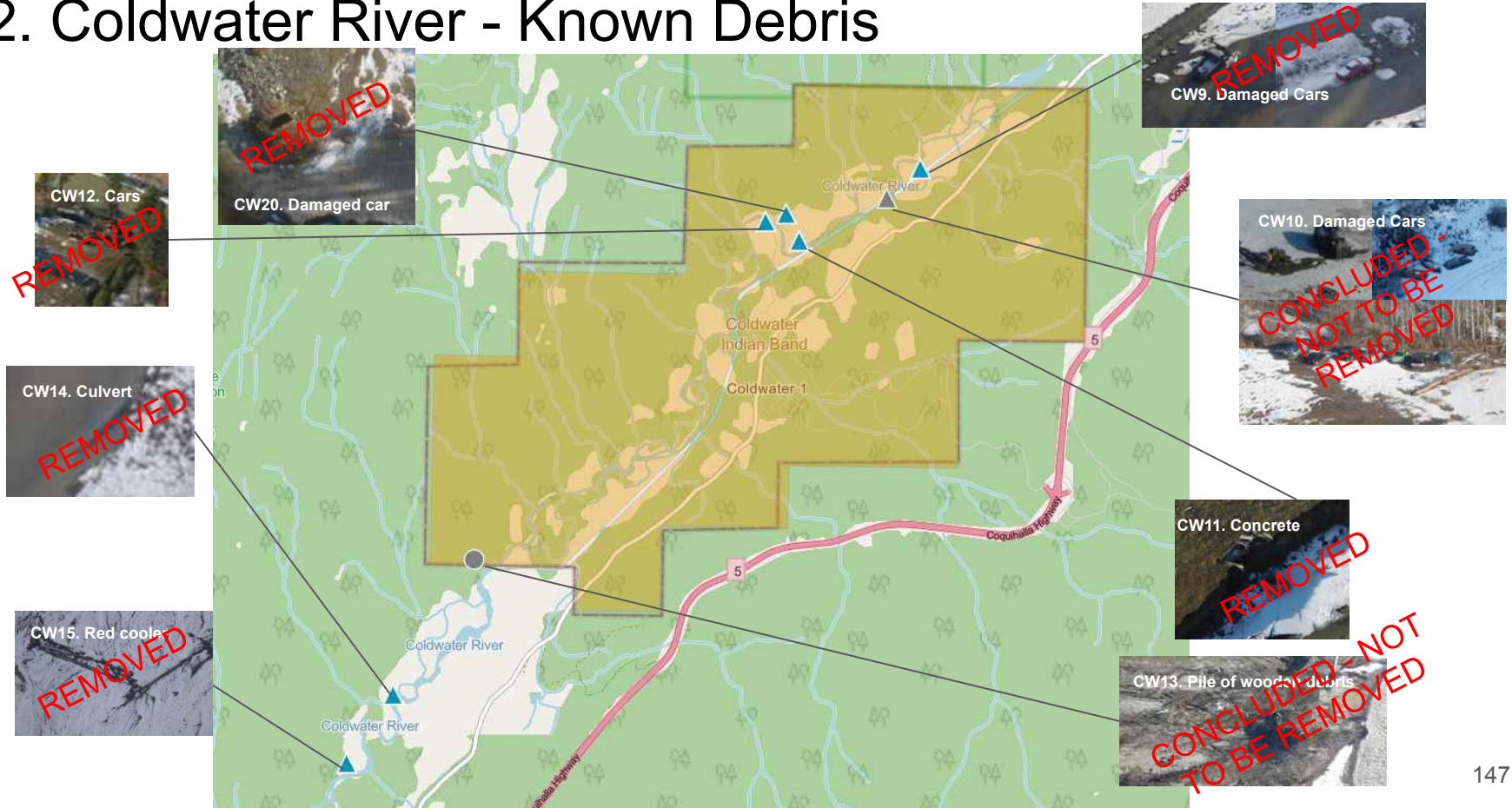
# 02. Coldwater River - Known Debris



## 02. Coldwater River - Known Debris

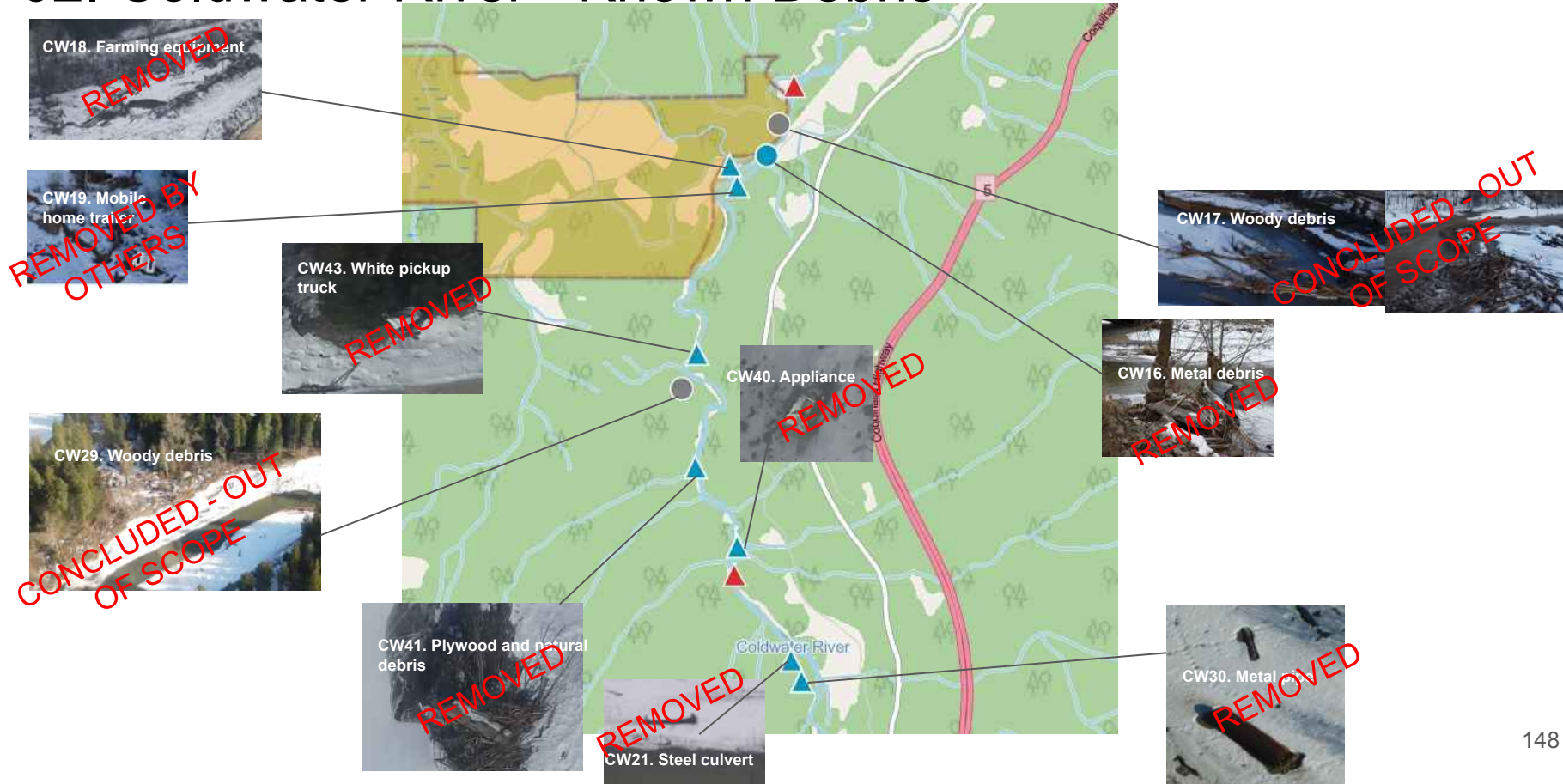


## 02. Coldwater River - Known Debris



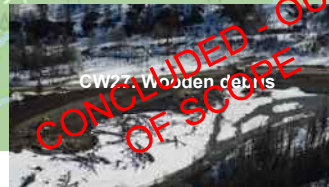
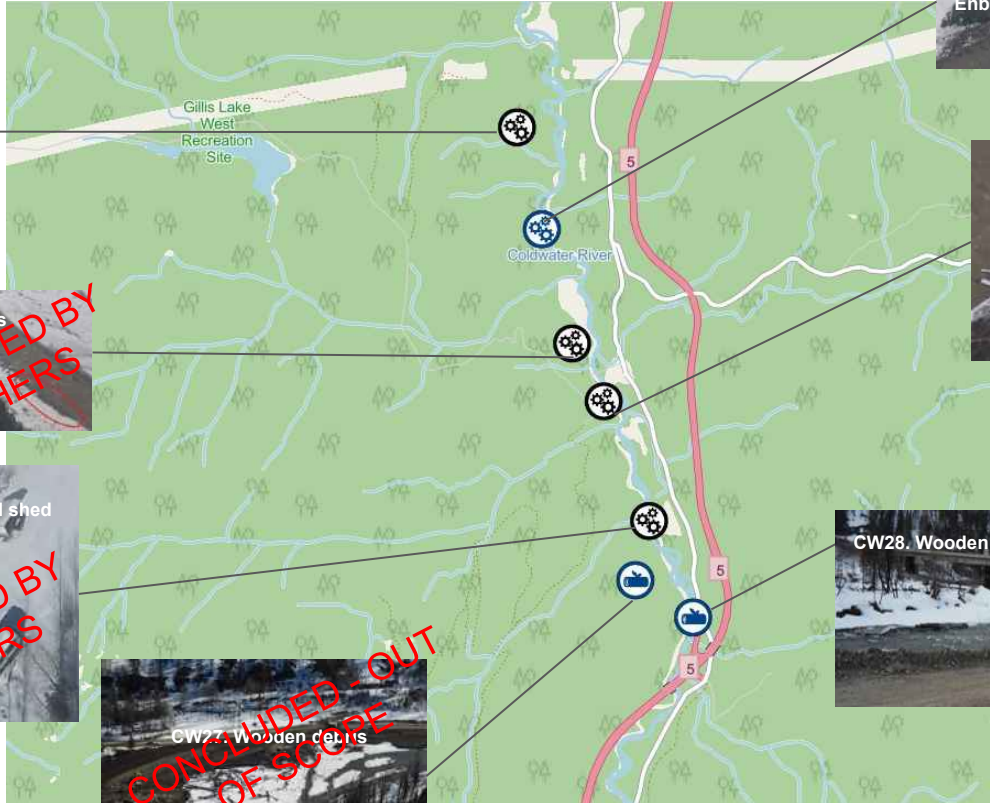
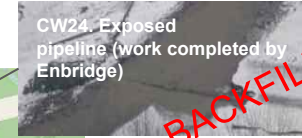


# 02. Coldwater River - Known Debris

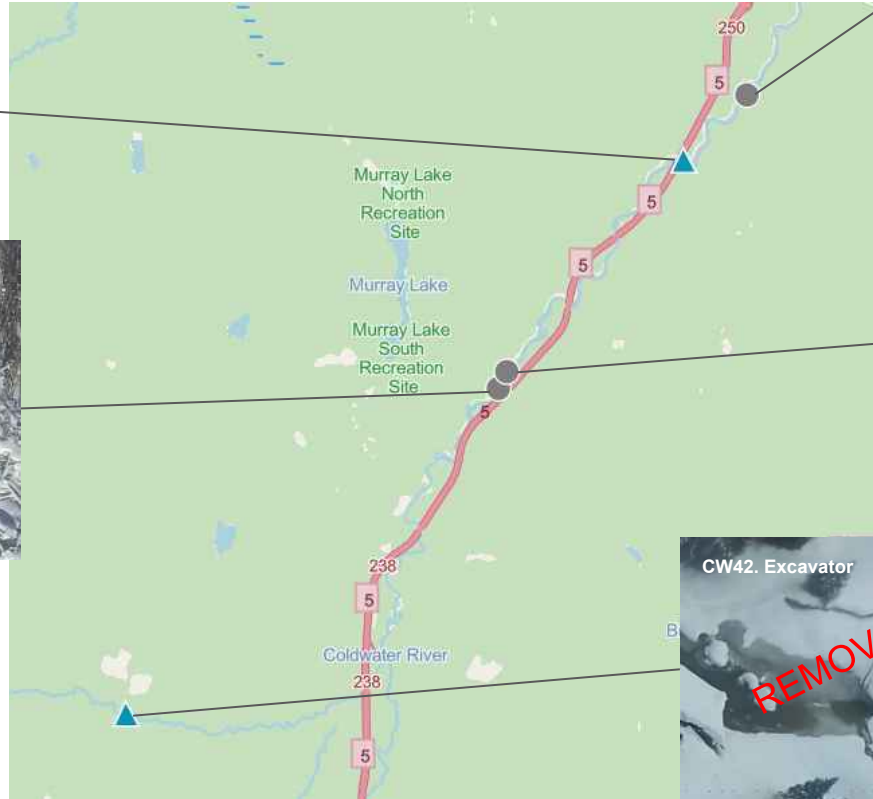




## 02. Coldwater River - Known Debris



# 02. Coldwater River - Known Debris



# 02. Coldwater River

| Map ID | Contract or ID* | Description                       | Type       | Status   | Removal date |
|--------|-----------------|-----------------------------------|------------|--|--------------|
| CW-1   |                 | Pile of sediment                  | Natural    | Identified in assessment with other sediment sites                   |              |
| CW-2   | CW_01.9         | Damaged Middlesborough bridge     | Human-made | Removed - pending direction from City of Merritt on standing section | 2022-03-10   |
| CW-3   | CW_02.0         | Red damaged car                   | Human-made | Removed  | 2022-03-09   |
| CW-4   | CW_15.5         | Wooden track                      | Human-made | Removed  | 2022-03-30   |
| CW-6   | CW_05.0         | Damaged house/shed                | Human-made | Removed  | 2022-04-12   |
| CW-7   | N/A             | Various debris within river bed   | Human-made | Removed  | 2022-04-27   |
| CW-8   |                 | Sediment collapse from erosion    | Natural    | Identified in assessment with other sediment sites                   |              |
| CW-9   | N/A             | Damaged cars                      | Human-made | Removed  | 2022-04-06   |
| CW-11  | CW_15.0         | Concrete structure                | Human-made | Removed  | 2022-04-06   |
| CW-12  | CW_15.5         | Cars                              | Human-made | Removed  | 2022-04-27   |
| CW-14  | CW_23.0         | Culvert                           | Human-made | Removed  | 2022-04-27   |
| CW-15  | CW_25.0         | Red cooler                        | Human-made | Removed  | 2022-04-06   |
| CW-16  | N/A             | Metal debris                      | Human-made | Removed  | 2022-04-27   |
| CW-18  | N/A             | Farming equipment                 | Human-made | Removed  | 2022-04-06   |
| CW-20  | N/A             | Damaged car                       | Human-made | Removed  | 2022-04-06   |
| CW-21  | CW_32.4         | Steel culvert                     | Human-made | Removed  | 2022-04-27   |
| CW-22  | N/A             | Vehicles and various other debris | Human-made | Removed  | 2022-05-04   |
| CW-26  | CW_38.2         | White trailer, woody debris       | Human-made | Removed  | 2022-04-12   |
| CW-30  | N/A             | Metal pipe                        | Human-made | Removed  | 2022-04-27   |
| CW-32  | N/A             | Truck                             | Human-made | Removed  | 2022-04-13   |
| CW-35  | N/A             | Plywood along river bank          | Human-made | Removed  | 2022-04-27   |
| CW-36  | N/A             | Red barrel                        | Human-made | Removed  | 2022-04-13   |
| CW-40  | N/A             | Appliance                         | Human-made | Removed  | 2022-04-27   |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# 02. Coldwater River

| Map ID | Contractor ID* | Description                               | Type       | Status                                | Removal date |
|--------|----------------|---|------------|---------------------------------------|--------------|
| CW-41  | N/A            | Plywood entangled in woody debris         | Human-made | Removed                               | 2022-04-27   |
| CW-42  | JC_4.8         | Excavator                                 | Human-made | Removed                               | 2022-03-23   |
| CW-43  | CW_28.9        | White pickup truck                        | Human-made | Removed                               | 2022-05-04   |
| CW-45  | N/A            | Number of barrels/drums                   | Human-made | Removed                               | 2022-04-06   |
| CW-46  | N/A            | Plastic waste with natural debris         | Human-made | Removed                               | 2022-05-04   |
| CW-47  | N/A            | Blue pipe                                 | Human-made | Removed                               | 2022-04-27   |
| CW-48  | N/A            | Car                                       | Human-made | Removed                               | 2022-03-09   |
| CW-23  | CW_35.0        | Red shed/house                            | Human-made | Removed                               | 2022-05-11   |
| CW-19  | CW_27.0        | Mobile home trailer                       | Human-made | Removed by Local Community            | 2022-04-06   |
| CW-24  | CW_36.5        | Exposed pipeline                          | Human-made | Backfilled/Work completed by Enbridge | N/A          |
| CW-25  | CW_37.6        | Pipes                                     | Human-made | Removed by Others                     | 2022-04-20   |
| CW-37  | N/A            | White pickup, trailer and cars            | Human-made | Removed by Local Community            | 2022-04-06   |
| CW-38  | N/A            | Trailer, shed and other items along river | Human-made | Removed by Local Community            | 2022-04-13   |
| CW-10  | CW_13.0        | Damaged cars                              | Human-made | Concluded - Out of Scope              | N/A          |
| CW-13  | N/A            | Pile of wooden debris                     | Natural    | Concluded - Not to be Removed         | N/A          |
| CW-17  | N/A            | Woody debris                              | Natural    | Concluded - Not to be Removed         | N/A          |
| CW-27  | N/A            | Wooden debris                             | Natural    | Concluded - Not to be Removed         | N/A          |
| CW-28  | N/A            | Wooden debris                             | Natural    | Concluded - Not to be Removed         | N/A          |
| CW-29  | N/A            | Woody debris                              | Natural    | Concluded - Not to be Removed         | N/A          |
| CW-31  | N/A            | Wooden debris                             | Natural    | Concluded - Not to be Removed         | N/A          |
| CW-33  | N/A            | Woody debris                              | Natural    | Concluded - Not to be Removed         | N/A          |
| CW-34  | N/A            | Woody debris                              | Natural    | Concluded - Not to be Removed         | N/A          |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

## 02. Coldwater River - vehicles removed

| <b>Location</b> | <b>Make</b> | <b>Model</b>         | <b>Removal date</b> |
|-----------------|-------------|----------------------|---------------------|
| CW-3            | Chevy       | Nova                 | 2022-03-01          |
| CW-10           | Ford        | Exploerer Sport 2001 | 2022-04-02          |
| CW-10           | Chrysler    | Intrepid             | 2022-04-04          |
| CW12            | Ford        | Explorer             | 2022-04-04          |
| CW-10           | Unknown     | Snow mobile 550 EFI  | 2022-04-04          |
| CW-43           | Ford        | F250                 | 2022-04-01          |
| CW-37           | Unknown     | TBC                  | 2022-04-06          |
| CW-26           | Unknown     | Camper Trailer       | 2022-04-12          |
| CW52.5          | Dodge       | RAM 3500             | 2022-04-25          |
| CW52.5          | GMC         | Pontiac Montana 2022 | 2022-04-27          |
| CW52.5          | Ford        | Windstar Van 1999    | 2022-04-27          |



# 03. Thompson River - known debris



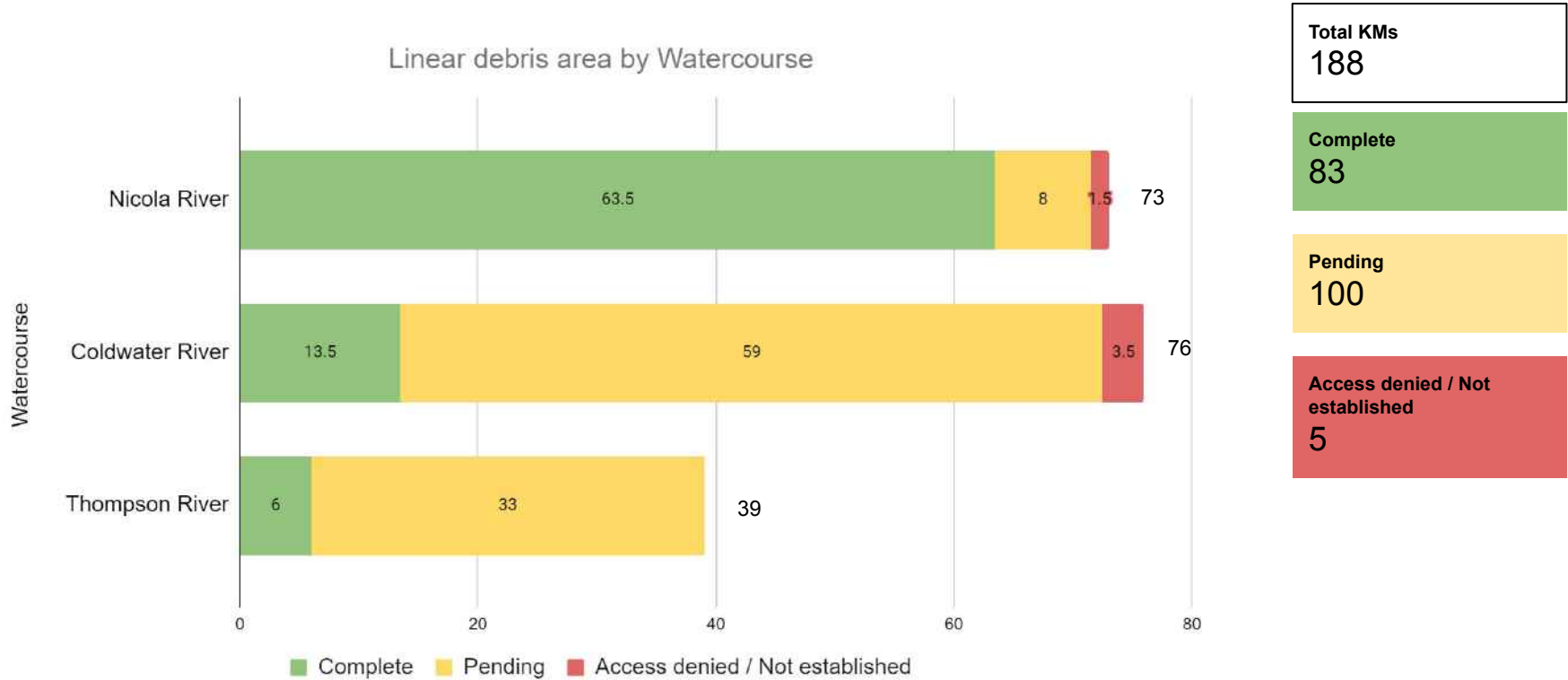
### 03. Thompson River - known debris



## 03. Thompson River

| Map ID | Description  | Type       | Status  | Removal date |
|--------|--|------------|---------|--------------|
| THR-1  | Red object   | Human-made | Removed | 2022-04-20   |
| THR-2  | Wood pieces and plastic mixed with natural debris              | Human-made | Removed | 2022-04-27   |
| THR-3  | ATV in water, wood pieces and scraps mixed with natural debris | Human-made | Removed | 2022-04-27   |
| THR-4  | Plastic container, wood mixed with natural debris              | Human-made | Removed | TBC          |
| THR-7  | Telephone pole and transformer on shoreline                    | Human-made | Removed | 2022-04-20   |
| THR-8  | Trailer and wood pieces along the river banks                  | Human-made | Removed | 2022-04-20   |

# Linear Debris Progress in KMs - Merritt Region Phase 1

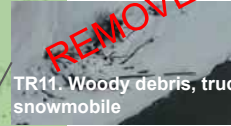


# 04. Tulameen River - Known Debris





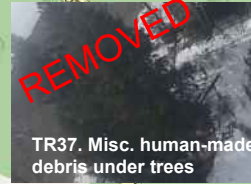
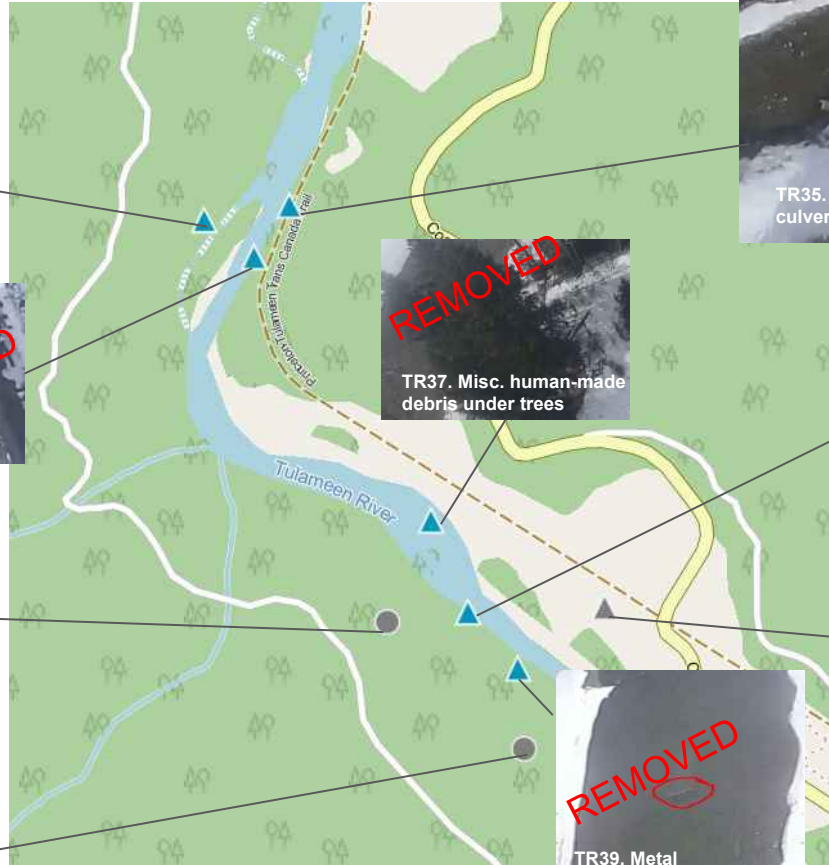
# 04. Tulameen River - Known Debris



# 04. Tulameen River - Known Debris



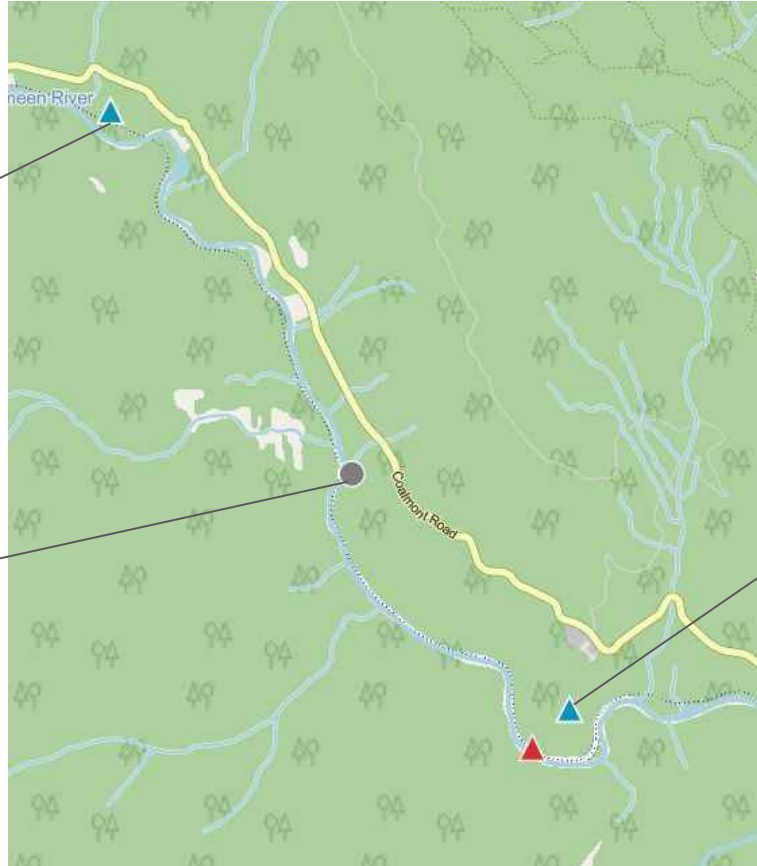
# 04. Tulameen River - Known Debris





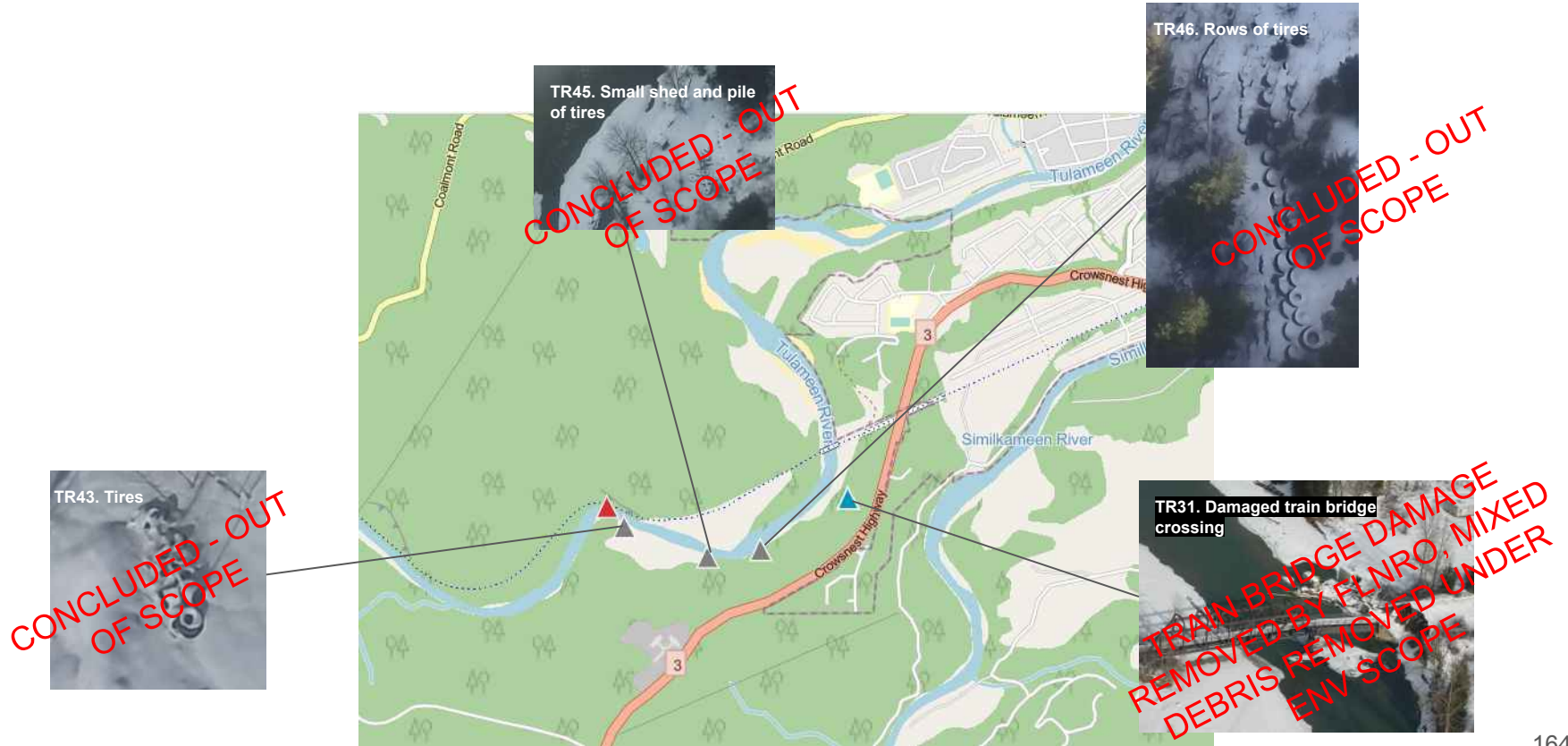


# 04. Tulameen River - Known Debris





# 04. Tulameen River - Known Debris



# 04. Tulameen River

| Map ID | Description   | Type       | Status  | Removal date |
|--------|---|------------|---------|--------------|
| TR-1   | Woody debris  | Natural    | Removed | 2022-04-27   |
| TR-2   | Woody debris  | Natural    | Removed | 2022-04-27   |
| TR-3   | Woody debris  | Natural    | Removed | 2022-04-27   |
| TR-4   | Woody debris  | Natural    | Removed | 2022-04-27   |
| TR-5   | Mobile home, trailer                                | Human-made | Removed | 2022-04-27   |
| TR-6   | Mobile home and other camping material              | Human-made | Removed | 2022-04-27   |
| TR-7   | Woody debris  | Natural    | Removed | 2022-04-27   |
| TR-8   | Quad and cube van                                   | Human-made | Removed | 2022-04-06   |
| TR-9   | Mobile home   | Human-made | Removed | 2022-04-27   |
| TR-10  | Truck, cattle feed bunk, tires, grating, roof truss | Human-made | Removed | 2022-04-13   |
| TR-11  | Woody debris mixed with truck and snowmobile        | Human-made | Removed | 2022-04-13   |
| TR-12  | Woody debris and human-made debris                  | Human-made | Removed | 2022-04-13   |
| TR-13  | Woody debris and human-made debris                  | Human-made | Removed | 2022-04-13   |
| TR-14  | Multiple natural debris including soil              | Natural    | Removed | 2022-04-13   |
| TR-21  | Unknown object                                      | Human-made | Removed | 2022-04-13   |
| TR-26  | Motorhome   | Human-made | Removed | 2022-04-20   |
| TR-27  | Travel trailer                                      | Human-made | Removed | 2022-04-27   |
| TR-29  | Yellow bus  | Human-made | Removed | 2022-04-06   |
| TR-30  | Culvert   | Human-made | Removed | 2022-04-20   |
| TR-33  | Woody debris  | Natural    | Removed | 2022-04-27   |
| TR-35  | Concrete culverts by river                          | Human-made | Removed | 2022-04-20   |

# 04. Tulameen River

| Map ID | Description  | Type       | Status  | Removal date |
|--------|--|------------|---|--------------|
| TR-36  | Concrete culvert piece                               | Human-made | Removed   | 2022-04-20   |
| TR-37  | Misc. human-made debris under trees                  | Human-made | Removed   | 2022-04-27   |
| TR-38  | Small trailer  | Human-made | Removed   | 2022-04-27   |
| TR-39  | Metal in river                                       | Human-made | Removed   | 2022-04-20   |
| TR-47  | Kayak and other debris                               | Human-made | Removed   | 2022-04-20   |
| TR-49  | White SUV  | Human-made | Removed   | TBC          |
| TR-50  | Buried backhoe                                       | Human-made | Removed   | 2022-04-13   |
| TR-51  | Truck  | Human-made | Removed   | 2022-04-13   |
| TR-52  | Two quads and cube van deck                          | Human-made | Removed   | 2022-04-06   |
| TR-25  | Red sea can  | Human-made | Removed by Local Community                                | N/A          |
| TR-31  | Destroyed train bridge (FLNRO)                       | Human-made | Removed by FLNRO, debris beside the bridge removed by PwC | N/A          |
| TR-40  | Piece of rail from rail bridge                       | Human-made | Removed by Local Community                                | N/A          |
| TR-42  | Unknown debris - possibly ATC                        | Human-made | Removed by Local Community                                | N/A          |
| TR-15  | Elevated level of river beds due to washed out soils | Natural    | Concluded - Not to be Removed                             | N/A          |
| TR-16  | Woody debris   | Natural    | Concluded - Not to be Removed                             | N/A          |
| TR-17  | Woody debris   | Natural    | Concluded - Not to be Removed                             | N/A          |
| TR-18  | Woody debris   | Natural    | Concluded - Not to be Removed                             | N/A          |
| TR-19  | Woody debris   | Natural    | Concluded - Not to be Removed                             | N/A          |
| TR-20  | Woody debris   | Natural    | Concluded - Not to be Removed                             | N/A          |
| TR-22  | Woody debris   | Natural    | Concluded - Not to be Removed                             | N/A          |
| TR-23  | Travel trailer and structure                         | Human-made | Concluded - Not to be Removed                             | N/A          |
| TR-24  | Woody debris   | Natural    | Concluded - Not to be Removed                             | N/A          |

# 04. Tulameen River

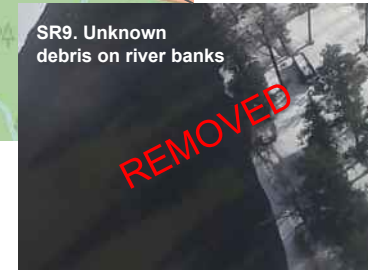
| Map ID | Description                  | Type       | Status                        | Removal date |
|--------|------------------------------|------------|-------------------------------|--------------|
| TR-28  | Woody debris                 | Natural    | Concluded - Not to be Removed | N/A          |
| TR-32  | Woody debris                 | Natural    | Concluded - Not to be Removed | N/A          |
| TR-34  | Woody debris                 | Natural    | Concluded - Not to be Removed | N/A          |
| TR-41  | Woody debris                 | Natural    | Concluded - Not to be Removed | N/A          |
| TR-43  | Pile of tires                | Human-made | Concluded - Not to be Removed | N/A          |
| TR-45  | Small shed and pile of tires | Human-made | Concluded - Not to be Removed | N/A          |
| TR-46  | Row of tires                 | Human-made | Concluded - Not to be Removed | N/A          |
| TR-48  | Woody debris around bridge   | Natural    | Concluded - Not to be Removed | N/A          |

# 04. Tulameen River - vehicles removed

| Location | Make       | Model                | Removal date |
|----------|------------|----------------------|--------------|
| TR-8     | Hino       | Cube Truck           | 2022-04-05   |
| TR-8     | John Deere | 310SE Backhoe Loader | 2022-04-06   |
| TR-10    | Chevrolet  | 1964 Truck           | 2022-04-01   |
| TR-16    | Chevrolet  | Tracker              | 2022-04-01   |
| TR-26    | Keystone   | Cougar               | 2022-04      |

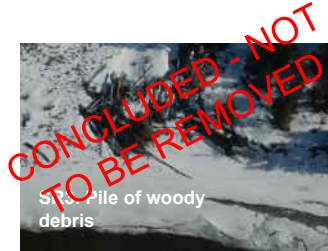
# 05. Similkameen River

SR1. There is a red modular container (sea can) that has been pulled out of the river and is currently located a few metres off the side of Crossnest Hwy (unable to take photo because there was nowhere to pull off the road)

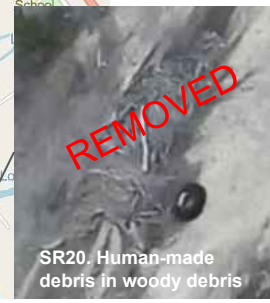
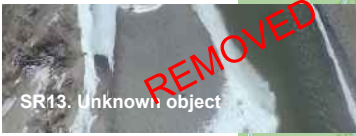




# 05. Similkameen River



# 05. Similkameen River



# 05. Similkameen River



# 05. Similkameen River

| Map ID | Description   | Type       | Status                        | Removal date |
|--------|---|------------|-------------------------------|--------------|
| SR-7   | Industrial parts  | Human-made | Removed                       | 2022-04-20   |
| SR-9   | Various human-made debris on river banks                    | Human-made | Removed                       | 2022-04-20   |
| SR-11  | Tire on banks   | Natural    | Removed                       | 2022-04-27   |
| SR-13  | Unknown object  | Human-made | Removed                       | 2022-05-04   |
| SR-17  | Larger silver vehicle, trailer, yellow car and woody debris | Human-made | Removed                       | 06-avr-22    |
| SR-18  | Canoe or boat beside the river                              | Human-made | Removed                       | 2022-05-04   |
| SR-20  | Human-made debris in woody debris                           | Human-made | Removed                       | 2022-04-27   |
| SR-21  | Tire entangled among wooden debris                          | Human-made | Removed                       | 2022-04-27   |
| SR-22  | Canopy beside the river                                     | Human-made | Removed                       | 2022-05-04   |
| SR-5   | Metal containers, pallets and other human made debris       | Human-made | Removed by Local Community    | 2022-04-16   |
| SR-8   | Pickup truck  | Human-made | Removed by Local Community    | 2022-03-23   |
| SR-16  | Silver car  | Human-made | Removed by Local Community    | 2022-03-23   |
| SR-1   | Red modular sea can   | Human-made | Concluded - Not to be Removed | N/A          |
| SR-2   | Damaged structure   | Human-made | Concluded - Not to be Removed | N/A          |
| SR-3   | Woody debris  | Natural    | Concluded - Not to be Removed | N/A          |
| SR-4   | Wooden structure  | Human-made | Concluded - Not to be Removed | N/A          |
| SR-6   | Log piles   | Natural    | Concluded - Not to be Removed | N/A          |
| SR-10  | Woody debris  | Natural    | Concluded - Not to be Removed | N/A          |
| SR-12  | Woody debris  | Natural    | Concluded - Not to be Removed | N/A          |
| SR-14  | Woody debris  | Natural    | Concluded - Not to be Removed | N/A          |
| SR-15  | Woody debris  | Natural    | Concluded - Not to be Removed | N/A          |

## 05. Similkameen River - vehicles removed

| Location | Make | Model   | Removal date |
|----------|------|---------|--------------|
| SR-17    | Ford | Unknown | 2022-04-12   |

# 06. Fraser River



FR4. Woody Debris



FR26. Accumulation of tires



# 06. Fraser River

FR20. Human-made box like object



FR45. Two cars on the side of the river



FR27. Shanty houses beside creek



FR21. Boat debris, other smaller human-made debris in vicinity



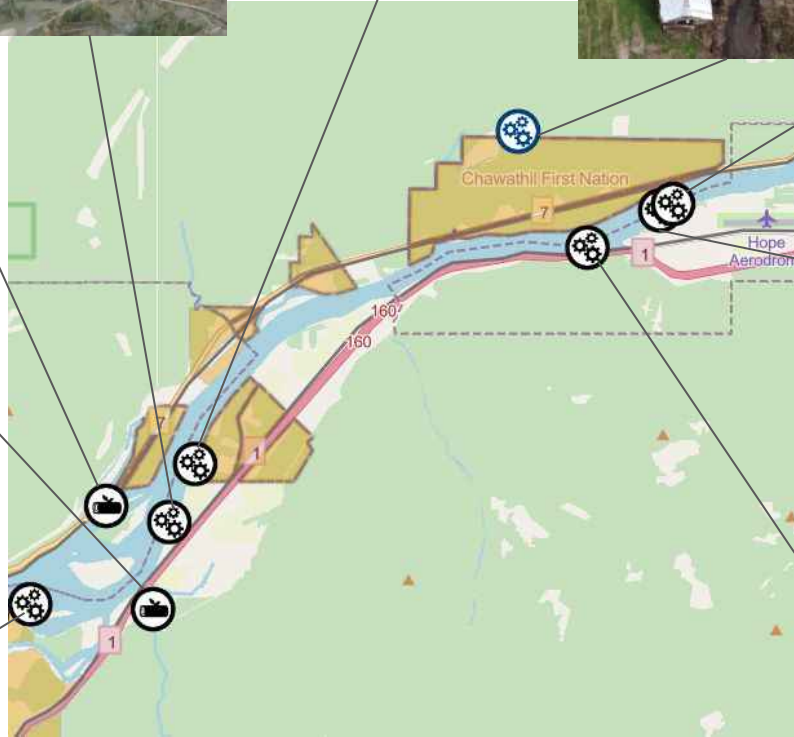
FR1. Large volumes of natural debris



FR3. Natural debris and fine sand/rocks accumulated under base of culvert under CN railway



FR41. Appliances



FR42. Tire located on left bank on Fraser River



FR18. Fridge and other human made debris



# 06. Fraser River

**FR43. Appliance on the right bank of the Fraser River**

**FR25. White metal sheet multiple tires**

**FR24. Box object, white metal sheet, green metal sheet.**

**CONCLUDED - NOT TO BE REMOVED**

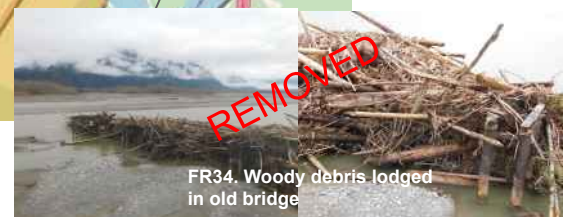
**FR30. Woody debris**

**FR46. Boat, culvert and fridge**

**FR36. Freezer**

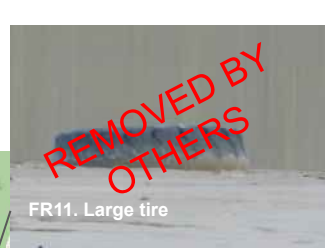
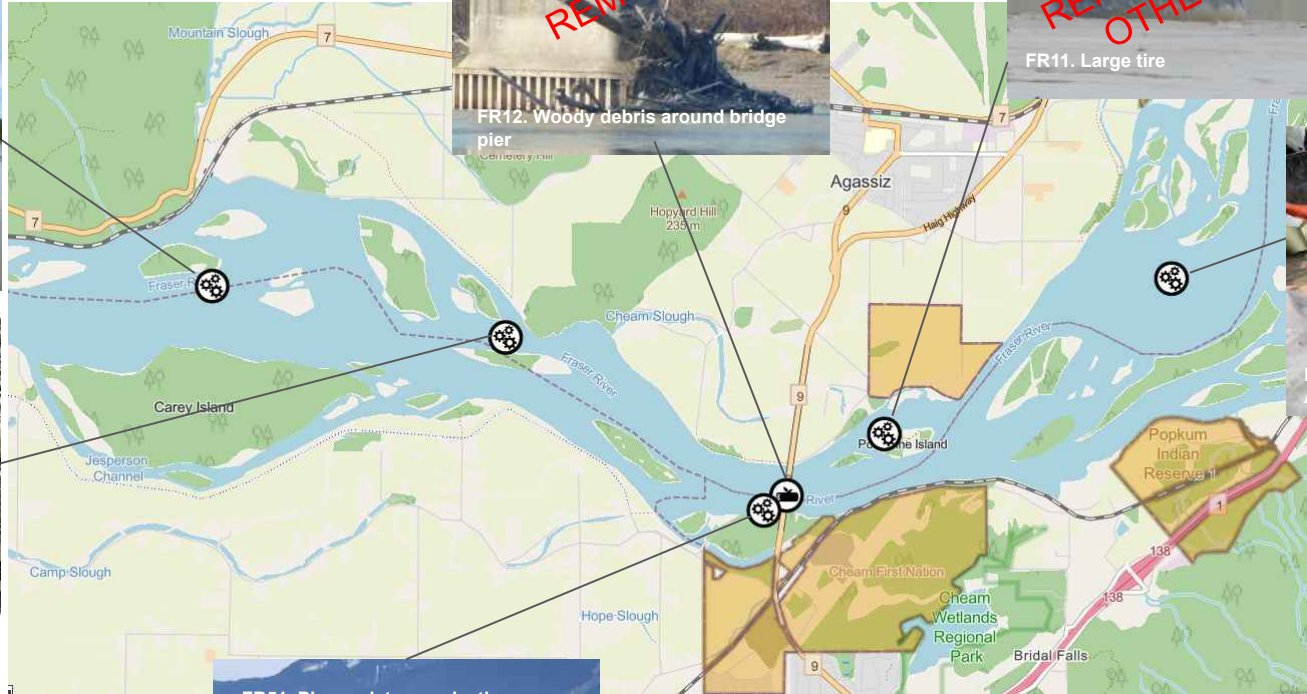
**FR37. Hot water tank**

**FR34. Woody debris lodged in old bridge**

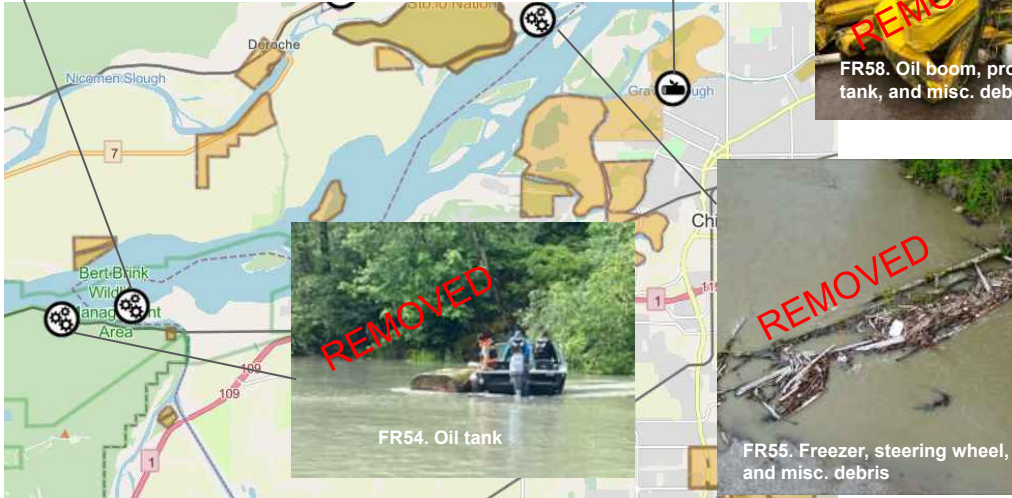
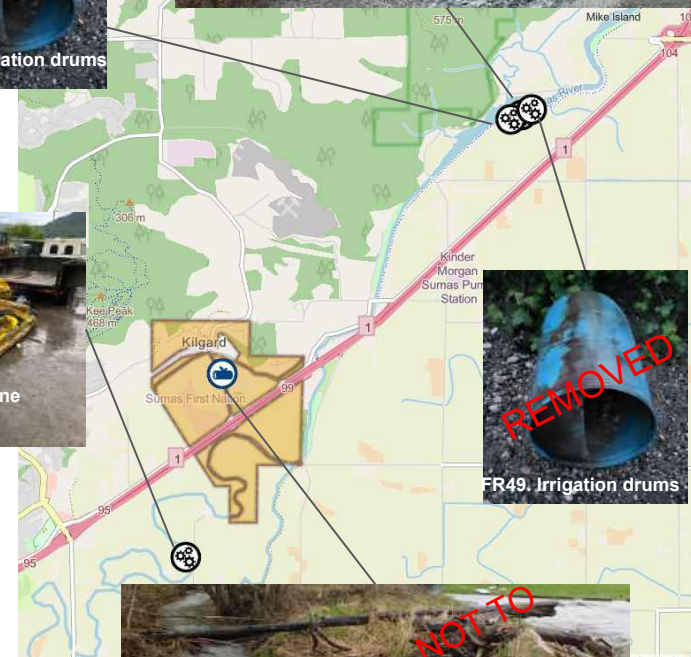




# 06. Fraser River

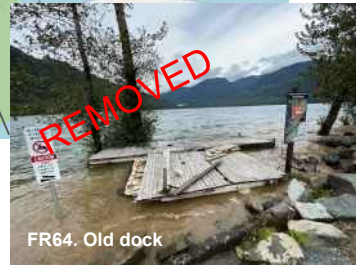


# 06. Fraser River



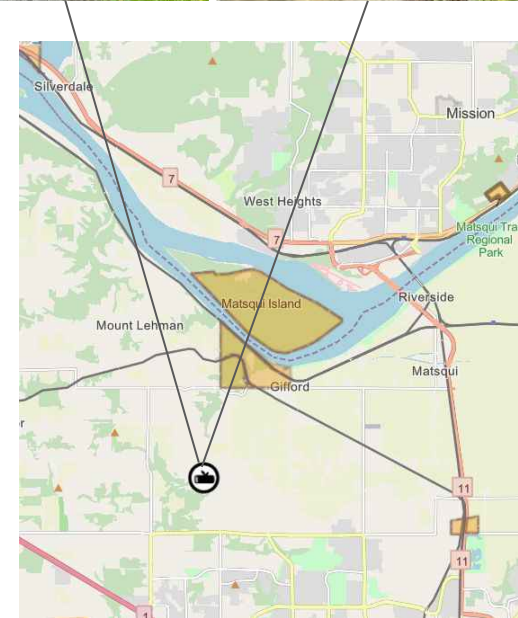
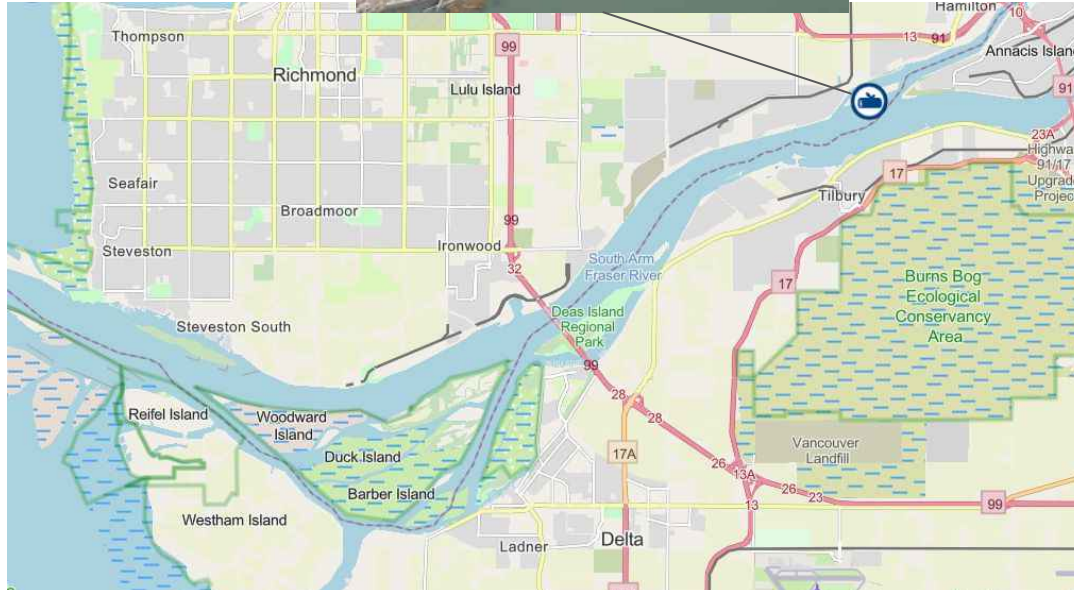
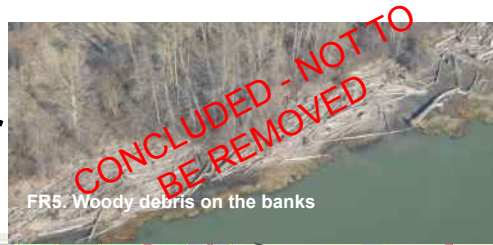


# 06. Fraser River





# 06. Fraser River



# 06. Fraser River

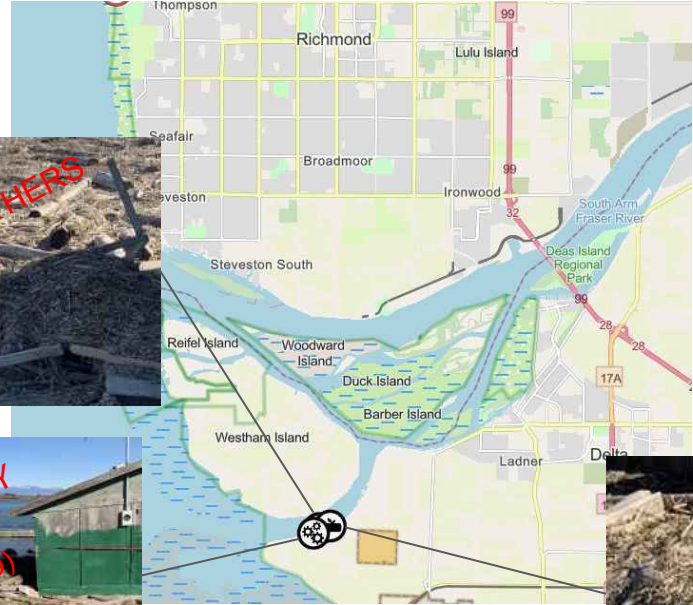
FR15. Woody Debris



FR16. The Canoe Pass dock has damage to the dock and the foundation for the dock is potentially damaged (pictures pending)



FR14. Tires and various other human made debris



# 06. Fraser River

| Map ID | Description  | Type       | Status                       | Removal date |
|--------|--|------------|------------------------------|--------------|
| FR-3   | Natural debris and sand/rocks at base of culvert         | Human-made | Removed                      | 2022-05-11   |
| FR-14  | Tire and other human made debris                         | Human-made | Removed by Others            | 2022-06-30   |
| FR-15  | Woody debris on river banks                              | Natural    | Removed by Others            | 2022-06-30   |
| FR-16  | Canoe Pass dock damage                                   | Human-made | Removed by Others (repaired) | 2022-06-30   |
| FR-18  | Fridge and other human made debris                       | Human-made | Removed                      | 2022-05-20   |
| FR-20  | Human-made box like object                               | Human-made | Removed                      | 2022-05-11   |
| FR-21  | Boat debris, other smaller human-made debris in vicinity | Human-made | Removed                      | 2022-05-20   |
| FR-24  | Box object, white metal sheet, green metal sheet         | Human-made | Removed                      | 2022-05-12   |
| FR-12  | Woody debris around pier cap                             | Natural    | Removed                      | 2022-05-18   |
| FR-25  | White metal sheet, multiple tires                        | Human-made | Removed                      | 2022-04-20   |
| FR-26  | Accumulation of tires beside the river, red metal sheet  | Human-made | Removed                      | 2022-05-11   |
| FR-34  | Woody debris lodged in old bridge                        | Natural    | Removed                      | 2022-05-20   |
| FR-37  | Hot water tank   | Human-made | Removed                      | 2022-05-11   |
| FR-41  | Appliances   | Human-made | Removed                      | 2022-05-20   |
| FR-42  | Tire located on left bank                                | Human-made | Removed                      | 2022-05-20   |
| FR-43  | Appliance on right bank                                  | Human-made | Removed                      | 2022-05-20   |
| FR-44  | Wood Accumulation on Bridge Pier                         | Human-made | Removed                      | 2022-05-26   |
| FR-45  | Two cars on the side of the river                        | Human-made | Removed                      | 2022-05-24   |
| FR-46  | Boat, culvert and fridge                                 | Human-made | Removed                      | 2022-05-20   |
| FR-47  | Misc. human-made debris                                  | Human-made | Removed                      | 2022-05-18   |
| FR-48  | Irrigation drums   | Human-made | Removed                      | 2022-06-06   |
| FR-49  | Irrigation drums   | Human-made | Removed                      | 2022-06-06   |
| FR-50  | Irrigation drums   | Human-made | Removed                      | 2022-06-06   |
| FR-51  | Plywood, tarps, plastic bags                             | Human-made | Removed                      | 2022-05-26   |

## 06. Fraser River

| Map ID | Description                              | Type       | Status                   | Removal date |
|--------|--|------------|--------------------------|--------------|
| FR-52  | Garbage can and misc. debris             | Human-made | Removed                  | 2022-05-26   |
| FR-53  | Plywood and misc. debris                 | Human-made | Removed                  | 2022-05-26   |
| FR-54  | Oil tank                                 | Human-made | Removed                  | 2022-06-04   |
| FR-55  | Woody debris                             | Natural    | Removed                  | 2022-09-27   |
| FR-56  | Tire                                     | Human-made | Removed                  | 2022-05-30   |
| FR-57  | Woody debris                             | Natural    | Removed                  | 2022-06-10   |
| FR-58  | Oil boom, propane tank, and misc. debris | Human-made | Removed                  | 2022-06-03   |
| FR-62  | Old dock                                 | Human-made | Removed                  | 2022-06-09   |
| FR-63  | Old dock                                 | Human-made | Removed                  | 2022-06-09   |
| FR-64  | Old dock                                 | Human-made | Removed                  | 2022-06-09   |
| FR-65  | Fridge                                   | Human-made | Removed                  | 2022-06-09   |
| FR-1   | Large volume of natural debris           | Natural    | Removed by Others        | 2022-06-24   |
| FR-11  | Large tire                               | Human-made | Removed by Others        | 2022-06-22   |
| FR-36  | Freezer                                  | Human-made | Removed by Others        | 2022-05-24   |
| FR-61  | Woody debris                             | Natural    | Removed by Others        | 2022-06-17   |
| FR-4   | Woody debris                             | Natural    | Concluded - Out of Scope | N/A          |
| FR-5   | Woody debris on the banks                | Natural    | Concluded - Out of Scope | N/A          |
| FR-17  | Woody debris by culvert                  | Natural    | Concluded - Out of Scope | N/A          |
| FR-27  | Shanty houses beside a creek             | Human-made | Concluded - Out of Scope | N/A          |
| FR-38  | Woody debris                             | Natural    | Concluded - Out of Scope | N/A          |



# 07. Chilliwack River & Vedder River/Canal



# 07. Chilliwack River & Vedder River/Canal



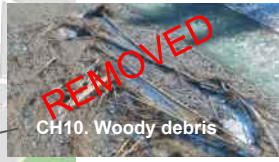
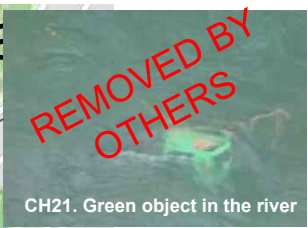
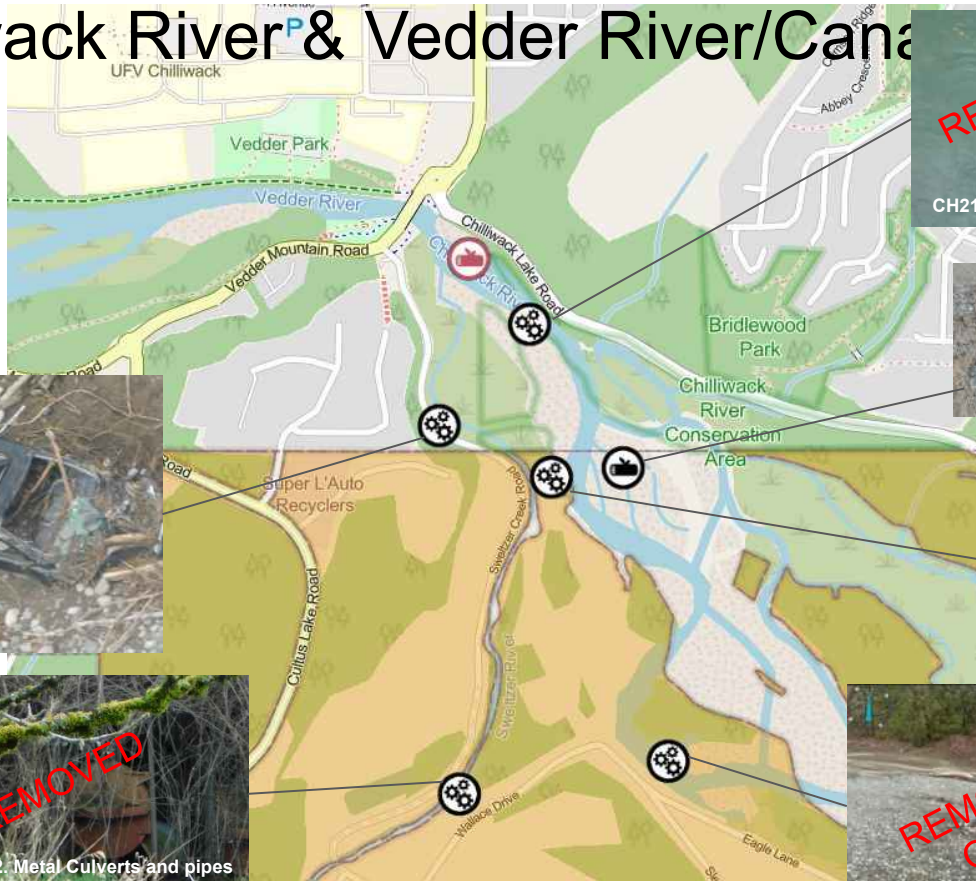
CH19. Abandoned van, ladders, pipes freight containers, trailer



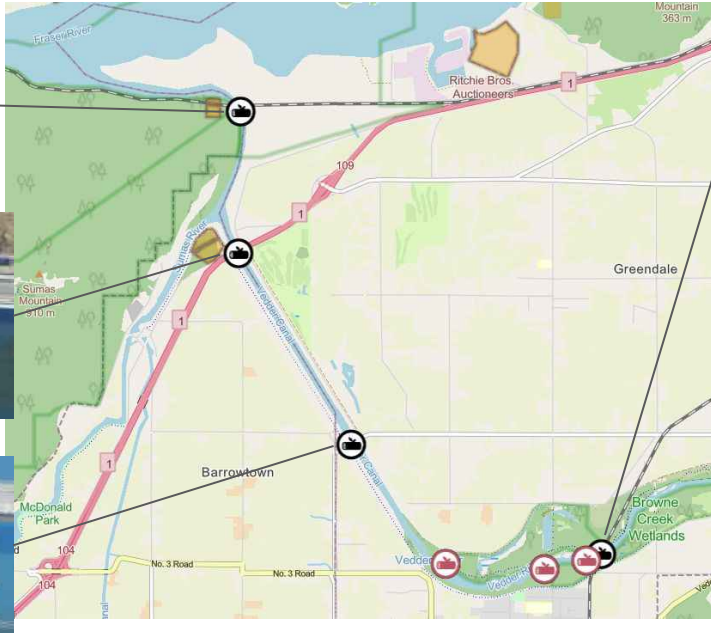
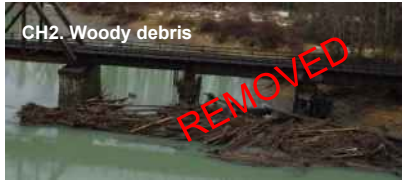
CH26. Two boom lifts



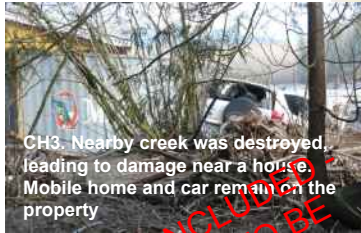
# 07. Chilliwack River & Vedder River/Canal



# 07. Chilliwack River & Vedder River/Canal



## 07. Chilliwack River & Vedder River/Canal



**CONCLUDED  
NOT TO BE  
REMOVED**





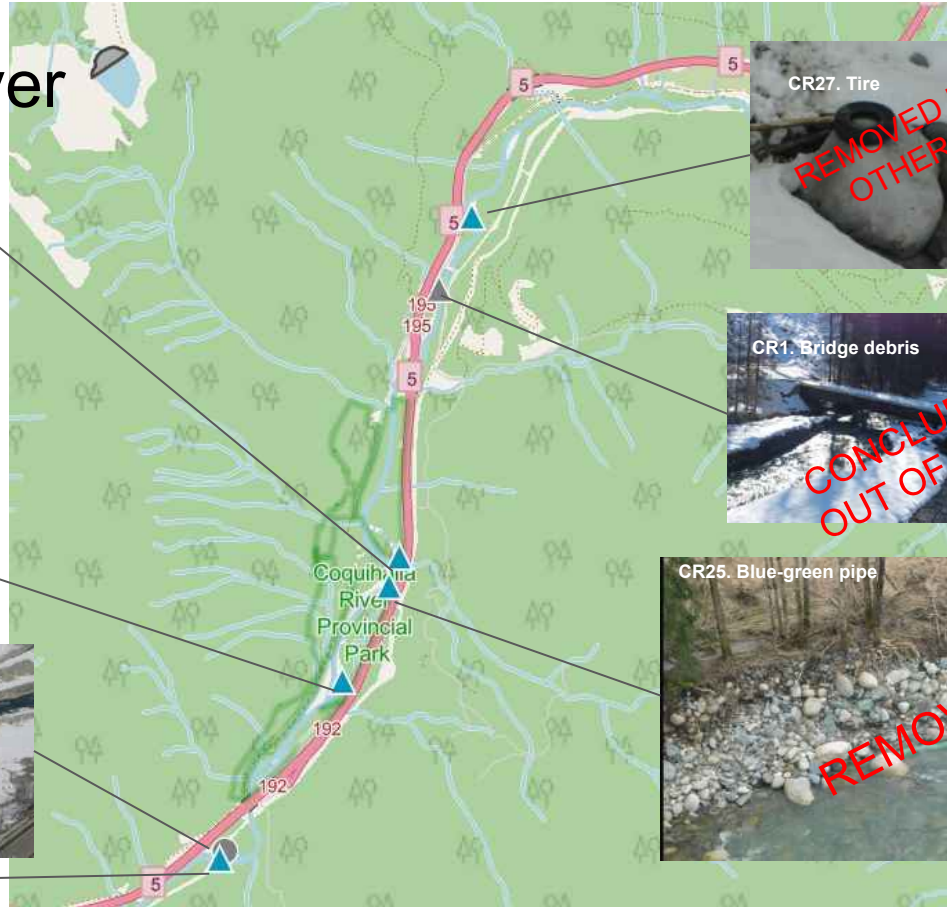
# 07. Chilliwack River & Vedder River/Canal

| Map ID | Contract or ID* | Description  | Type       | Status   | Removal date |
|--------|-----------------|--|------------|--|--------------|
| CH-2   |                 | Two bridges with natural debris dams                                 | Natural    | Removed  | 2022-05-20   |
| CH-4   |                 | Woody debris   | Natural    | Removed  | 2022-05-18   |
| CH-5   |                 | Woody debris at piers  | Natural    | Removed  | 2022-05-24   |
| CH-10  |                 | Woody debris   | Natural    | Removed  | TBD          |
| CH-17  |                 | Green wooden planks, picnic table intertwined with wooden debris     | Human-made | Removed  | 2022-05-28   |
| CH-18  |                 | Green fragments of a pipe, metal culvert                             | Human-made | Removed  | 2022-05-28   |
| CH-19  |                 | Abandoned cars, ladders, pipes, freight containers, trailer          | Human-made | Removed  | 2022-05-28   |
| CH-22  |                 | Metal pipes/culverts   | Human-made | Removed  | 2022-05-26   |
| CH-24  |                 | Porta john located in the woody debris                               | Human-made | Removed  | 2022-05-28   |
| CH-25  |                 | Culvert among the woody debris                                       | Human-made | Removed  | 2022-05-28   |
| CH-26  |                 | Two boom lifts   | Human-made | Removed  | 2022-05-18   |
| CH-27  | CH-9            | Southern rail woody debris   | Natural    | Removed  | 2022-05-30   |
| CH-28  |                 | Green fragment in wooden pile  | Human-made | Removed  | 2022-05-26   |
| CH-20  |                 | Black Truck  | Human-made | Removed by Others                                  | 2022-05-19   |
| CH-21  |                 | Green object in the river  | Human-made | Removed by Others                                  | TBD          |
| CH-23  |                 | Damaged vehicle buried in sediment east of Sweltzer Creek campground | Human-made | Removed by Others                                  | 2022-05-19   |
| CH-3   |                 | Damage near house due to creek being destroyed, mobile home and car  | Human-made | Concluded - Out of Scope                           | N/A          |
| CH-15  |                 | Excess sediment  | Natural    | Identified in assessment with other sediment sites |              |

# 08. Coquihalla River

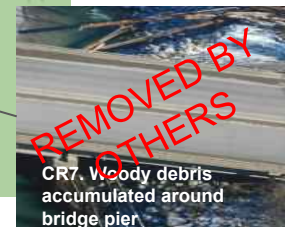
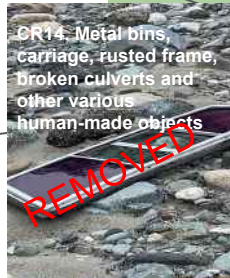
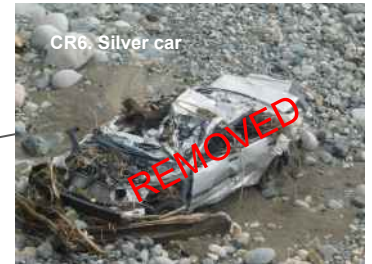


# 08. Coquihalla River





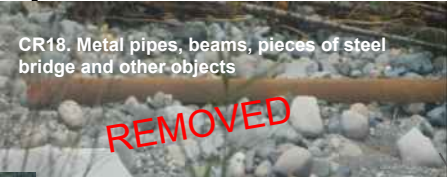
# 08. Coquihalla River





# 08. Coquihalla River

CR18. Metal pipes, beams, pieces of steel bridge and other objects



CR5. Damaged silver car



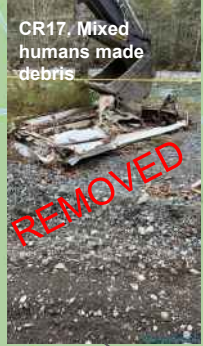
CR22. Metal frame, metal culvert



CR17. Mixed humans made debris



CR17. Mixed humans made debris



CR21. Plastic looking debris



CR19. Silver truck, rusted frame of a truck



CR17. Mixed humans made debris



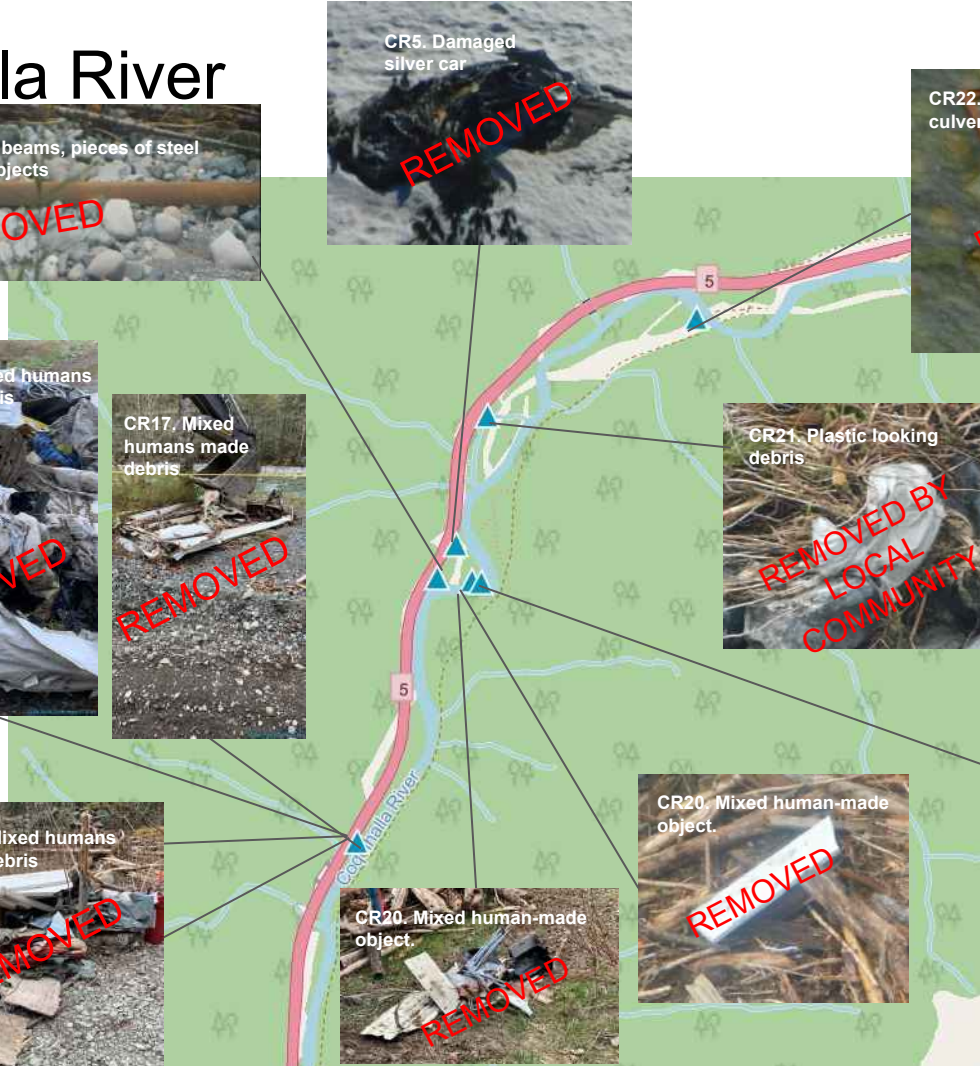
CR17. Mixed humans made debris



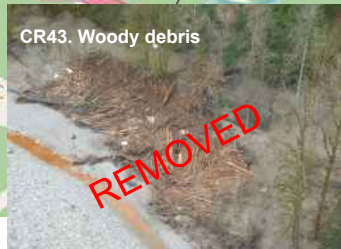
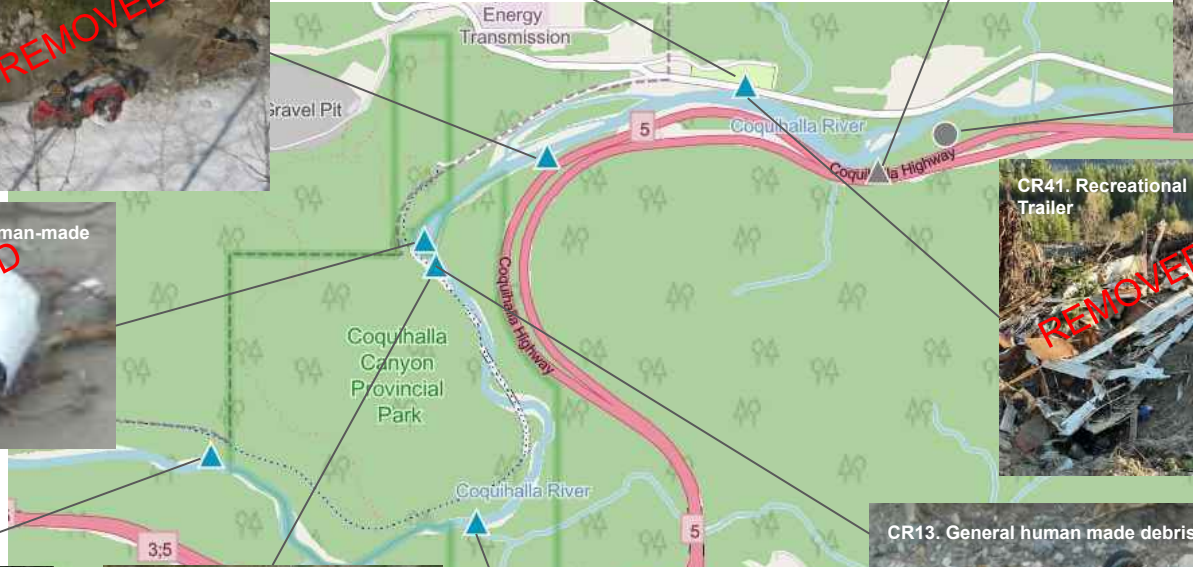
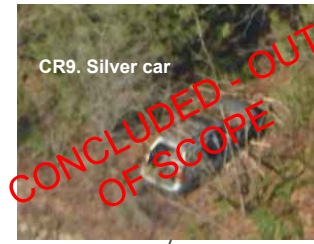
CR20. Mixed human-made object.



CR20. Mixed human-made object.

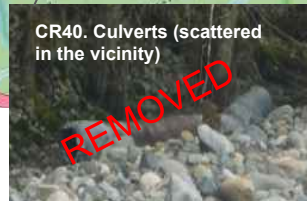
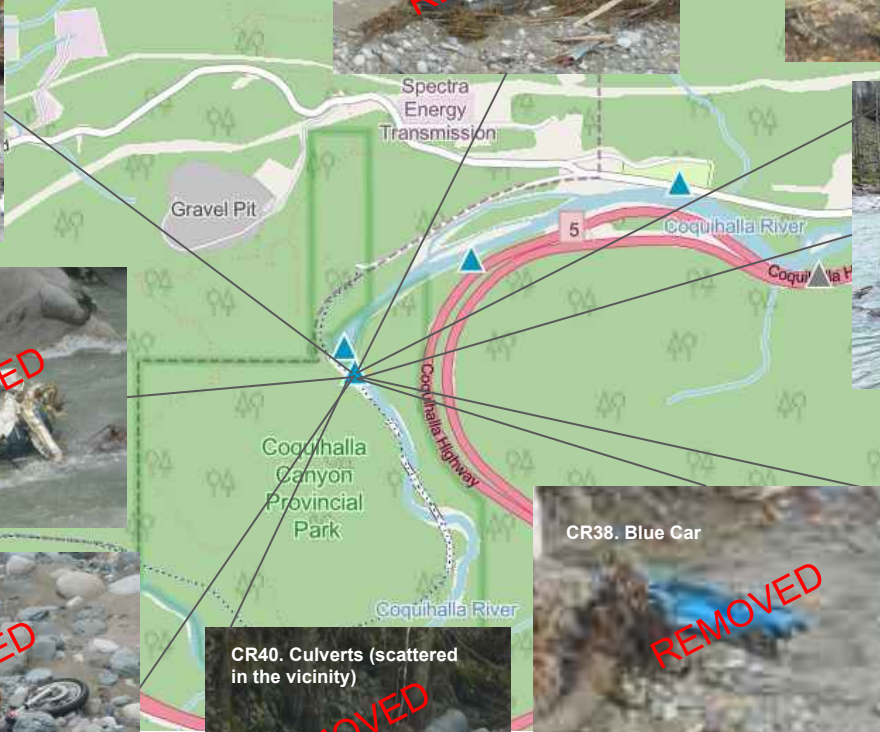


# 08. Coquihalla River





# 08. Coquihalla River

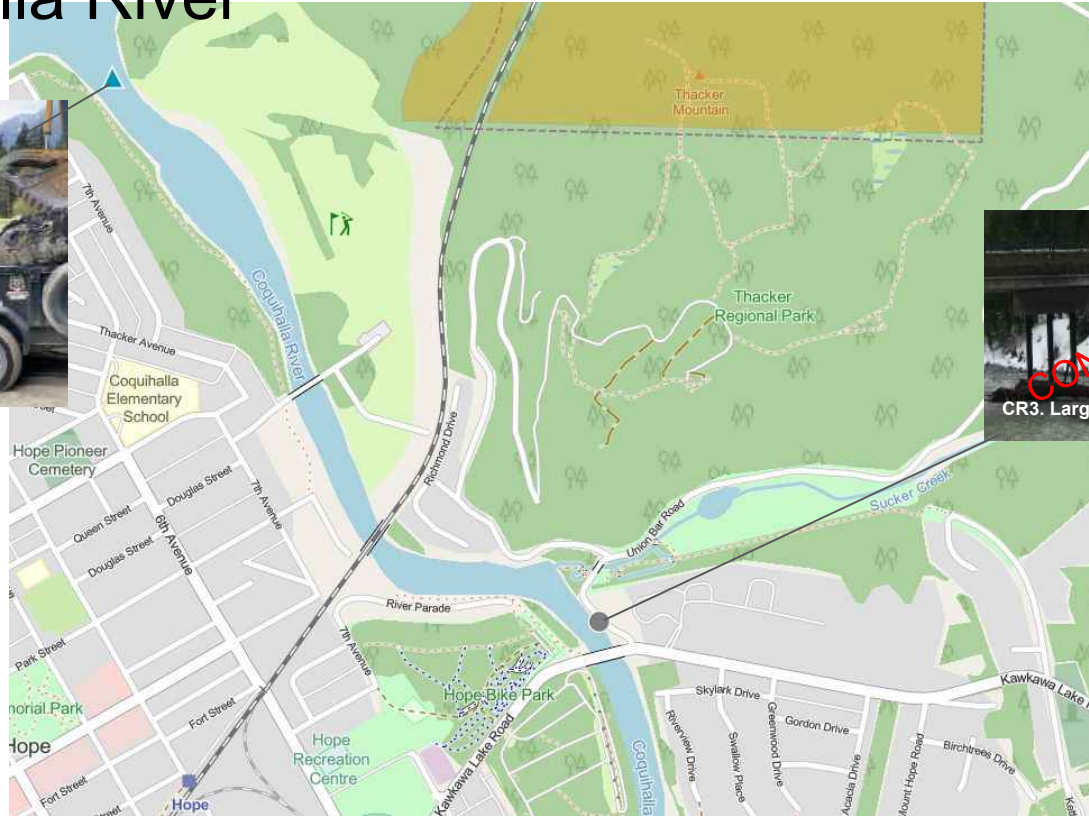


Debris Site CR13 additional human made debris was found mixed with woody debris. This highlights some of the items found in the area.

# 08. Coquihalla River



CR42. Large tires



CR3. Large log under bridge



# 08. Coquihalla River

| Map ID | Contractor ID* | Description  | Type       | Status  | Removal date |
|--------|----------------|--|------------|---|--------------|
| CR-2   | CR2            | General debris   | Human-made | Removed   | 2022-04-13   |
| CR-5   | CR5            | Damaged silver car   | Human-made | Removed   | 2022-05-04   |
| CR-6   | CR6            | Silver car   | Human-made | Removed   | 2022-04-13   |
| CR-10  | CR2            | Red car  | Human-made | Removed   | 2022-04-06   |
| CR-12  | CR12           | Various different human-made objects   | Human-made | Removed   | 2022-04-13   |
| CR-13  | CR13           | General human made debris  | Human-made | Removed   | 2022-04-13   |
| CR-14  | CR14           | Metal bins, carriage, rusted frame, broken culverts and other various human-made objects | Human-made | Removed   | 2022-04-27   |
| CR-17  | CR17           | Mixed human made debris  | Human-made | Removed   | 2022-04-20   |
| CR-18  | CR18           | Metal pipes, beams, pieces of steel bridge and other objects                             | Human-made | Removed   | 2022-05-04   |
| CR-19  | CR19           | Silver truck, rusted frame of a truck  | Human-made | Removed   | 2022-04-27   |
| CR-20  | CR20           | Mixed human-made object  | Human-made | Removed   | 2022-04-27   |
| CR-22  | CR22           | Metal frame, metal culvert   | Human-made | Removed   | 2022-04-27   |
| CR-23  | CR23           | Metal culvert  | Human-made | Removed   | 2022-04-27   |
| CR-24  | CR24           | Blue object, metal culverts,   | Human-made | Removed   | 2022-05-04   |
| CR-25  | CR25           | Blue-green pipe  | Human-made | Removed   | 2022-04-27   |
| CR-26  | CR26           | Metal culvert  | Human-made | Removed   | 2022-04-27   |
| CR-29  | CR29           | Anthropogenic debris on top of log jam   | Human-made | Removed - Accessible debris has been removed, due to safety some debris remains | 2022-05-04   |
| CR-30  | CR2            | House  | Human-made | Removed   | 2022-04-13   |
| CR-31  | CR6            | Red pickup   | Human-made | Removed   | 2022-04-13   |
| CR-32  | CR13           | Motorcycle   | Human-made | Removed   | 2022-04-13   |
| CR-33  | CR13           | Motor home   | Human-made | Removed   | 2022-04-13   |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

# 08. Coquihalla River

| Map ID | Contractor ID* | Description                          | Type       | Status                        | Removal date |
|--------|----------------|--------------------------------------|------------|-------------------------------|--------------|
| CR-34  | CR13           | Pick up truck                        | Human-made | Removed                       | 2022-04-13   |
| CR-35  | CR13           | Vehicle/trailer                      | Human-made | Removed                       | 2022-04-13   |
| CR-36  | CR13           | Recreational trailer                 | Human-made | Removed                       | 2022-04-13   |
| CR-37  | CR13           | Tent Trailer                         | Human-made | Removed                       | 2022-04-13   |
| CR-38  | CR13           | Car (blue)                           | Human-made | Removed                       | 2022-04-13   |
| CR-39  | CR13           | General debris                       | Human-made | Removed                       | 2022-04-13   |
| CR-40  | CR13           | Culverts (scattered in the vicinity) | Human-made | Removed                       | 2022-04-13   |
| CR-41  | CR2            | Recreational Trailer                 | Human-made | Removed                       | 2022-04-27   |
| CR-42  |                | Large tires                          | Human-made | Removed                       | 2022-04-27   |
| CR-43  | CR13           | Large mix of woody debris            | Natural    | Removed                       | 2022-05-11   |
| CR-7   | CR7            | Debris around bridge pier            | Natural    | Removed by Others             | 2022-04-27   |
| CR-11  | CR11           | Box object in between wooden debris  | Human-made | Removed by Local Community    | 2022-04-27   |
| CR-16  | CR16           | Metal debris, tires                  | Human-made | Removed by Others             | 2022-04-27   |
| CR-21  | CR21           | Plastic looking debris               | Human-made | Removed by Local Community    | 2022-04-27   |
| CR-1   | CR1            | Bridge debris                        | Human-made | Concluded - Not to be Removed | N/A          |
| CR-3   | CR3            | Large log under bridge               | Natural    | Concluded - Not to be Removed | N/A          |
| CR-4   | CR4            | Woody debris on the river banks.     | Natural    | Concluded - Not to be Removed | N/A          |
| CR-8   | CR8            | Woody debris                         | Natural    | Concluded - Not to be Removed | N/A          |
| CR-9   | CR9            | Silver car                           | Human-made | Concluded - Not to be Removed | N/A          |
| CR-15  | CR15           | Bulldozer                            | Human-made | Concluded - Not to be Removed | N/A          |
| CR-28  | CR9            | Abandoned car in overbank zone       | Human-made | Duplicate item for CR-9       |              |

\* Where applicable, Contractor IDs are added, alignment is ongoing and will be updated as needed.

## 08. Coquihalla River - vehicles removed

| <b>Location</b> | <b>Make</b> | <b>Model</b> | <b>Removal date</b> |
|-----------------|-------------|--------------|---------------------|
| CR2             | Chevrolet   | Silverado    | 2022-04-05          |
| CR2             | Geo         | Metro        | 2022-04-05          |
| CR2             | Chevrolet   | Cavalier     | 2022-04-05          |
| CR2             | Unknown     | Unknown      | 2022-04-12          |
| CR5             | Chevrolet   | Cavalier     | 2022-05-04          |
| CR6             | Toyota      | Tercel       | 2022-04-04          |
| CR6             | Chevrolet   | S10          | 2022-04-04          |
| CR13            | Pontiac     | Firebird     | 2022-04-08          |
| CR13            | Yamaha      | Motorcycle   | 2022-04-08          |
| CR13            | Unknown     | Travelair    | 2022-04-08          |
| CR19            | Dodge       | RAM1500      | 2022-04-20          |