# CONTRIBUTIONS IN SUPPORT OF THE CANADA NATURE FUND FOR AQUATIC SPECIES AT RISK

# CONTRIBUTION AGREEMENT

This Agreement dated the _____ day of _____, 20_____
(For DFO use only.)

BETWEEN

HER MAJESTY THE QUEEN IN RIGHT OF CANADA as represented by the Minister of Fisheries and Oceans (hereinafter called "DFO")

OF THE FIRST PART

AND

BRITISH COLUMBIA CONSERVATION FOUNDATION (hereinafter called "Recipient")

OF THE SECOND PART

WHEREAS the Recipient has requested funding, through the DFO contribution program that provides contributions that will support and contribute to the implementation of actions to mitigate threats, recover aquatic species at risk, and protect their habitat through projects utilizing multi-species and ecosystem-based management strategies referred to as the Canada Nature Fund for Aquatic Species at Risk (hereinafter called the CNFASAR), towards the costs associated with carrying out the project defined in Schedule "5" of this agreement in support of CNFASAR objectives.

AND WHEREAS DFO has agreed to provide such funding to the Recipient to be used in accordance with this Agreement towards costs associated with carrying out the Activity(ies).

NOW THEREFORE DFO and the Recipient agree to enter into this Agreement to support the stated endeavours of the Recipient under the terms set out below.

## 1. Schedules

1.1. The following Schedules form part of the Agreement:

| | |
|---|---|
| Schedule 1 | Definitions |
| Schedule 2 | General Terms and Conditions |
| Schedule 3 | Financial Management, Payments and Reporting |
| Schedule 4 | Description of Eligible Costs for Reimbursement |
| Schedule 5 | Project Description, Activities, and Budget Information |
| Schedule 6 | Cash Flow Projection of Eligible Costs |
| Schedule 7 (A to D) | Progress Report / Year-end Report |

## 2. Roles and Responsibilities

2.1. The Parties agree to comply with all the terms and conditions set out in this Agreement and will work together in good faith to implement this Agreement and carry out all its obligations.

## 3. Contribution Amount

3.1. DFO will contribute to the Recipient an amount up to one million, eight hundred fifty-nine thousand, three hundred eighty-four dollars ($1,859,384) in the following fiscal years, through the CNFASAR on the condition that these funds will be used in accordance with the terms of this Agreement.

| Fiscal Year | Amount CNFASAR Cash |
|---|---|
| 2019-20 | $415,002 |
| 2020-21 | $550,010 |
| 2021-22 | $557,658 |
| 2022-23 | $336,714 |
| **Grand Total** | **$1,859,384** |

3.2. Funding contributed by DFO may only be used towards the Activity(ies) defined in Schedule 5 and their associated Eligible Costs as listed in Schedule 4.

## 4. Effect and Duration

4.1. This Agreement will come into effect on execution by both Parties and, unless terminated earlier in accordance with section 7, will terminate on March 31, March 31, 2023.

4.2. Amendment

4.3. The Parties may amend this Agreement at any time for any reason, but such amendment will have no force or effect unless made in writing and signed by both Parties.

## 5. Survival

5.1. The obligations of the Recipient under sections 2, 7, 9 and 11 of Schedule 2, and under subsections 1.3.1, 1.4, 1.5, 2.5 and 3.3 of Schedule 3 will survive the expiry or termination of this Agreement.

## 6. Termination

6.1. DFO may terminate this Agreement upon ten days written notice if it is determined that the Activity(ies) outlined in Schedule 5 are not being carried out or the deliverables and/or results outlined in Schedule 5 cannot be achieved. Upon termination of this Agreement the Recipient shall return to DFO any contributions, made by DFO, which are in excess of the eligible expenses incurred by the Recipient up to the date of notice.

6.2. The Recipient must inform DFO of any circumstances which may render the Activity(ies) no longer eligible and provide any documentation required to verify eligibility. If ineligibility is confirmed, or if any other misrepresentation of the facts relative to the contribution has occurred, DFO shall terminate the Agreement.

6.3. This Agreement may be terminated by either Party with ten (10) days' notice in writing given to the other Party.

## 7. Notices and Representatives

7.1. Where any information or communication is required to be given under this Agreement, it will be in writing and delivered personally or by courier, registered mail, electronic mail or facsimile transmission and, unless notice to the contrary is given, will be addressed to the Party at:

# SCHEDULE 5

## PROJECT DESCRIPTION, ACTIVITIES AND BUDGET INFORMATION

**Thompson River Salmonid Habitat Restoration Project**

## 1. Overview and Project Description

### 1.1. Project Overview

This project will support targeted aquatic species at risk (SAR), as well as aquatic system recovery, by undertaking restoration activities that enable a process of habitat naturalization. Restoration works will be implemented in 8 sub-basins of the North and South Thompson Rivers in South Central British Columbia including Louis Creek, the Bonaparte River, Hat Creek, Quilchena Creek, the Salmon River, Paul Creek, Guichon Creek, and the Nicola River.

Selected sites have been identified by Fisheries and Oceans Canada (DFO) stock assessment and habitat restoration units as high priorities for restoration activity with high potential for success. The proposed sites will collectively help remediate priority areas and provide benefit to the following species:

| Species | Designatable Unit (DU) | Scientific Name | COSEWIC Status |
|---|---|---|---|
| Chinook Salmon | South Thompson, Stream Summer | *Oncorhynchus tshawytscha* | Endangered |
| | North Thompson, Stream, Summer | | Endangered |
| Coho Salmon | Interior Fraser | *Oncorhynchus kisutch* | Threatened |
| Sockeye Salmon | Kamloops ES | *Oncorhynchus nerka* | Special Concern |
| | North Barriere ES | | Threatened |
| Steelhead Trout | Thompson River | *Oncorhynchus mykiss* | Endangered |
| Bull Trout | n/a | *Salvelinus confluentus* | Not at risk in project area |

A robust monitoring program will be executed in partnership with the Secwepemc Fisheries Commission (SFC) and milestones of the project will be completed and reported as described in the work plans, under the management of the British Columbia Conservation Foundation.

### 1.2. Project Description

A total of ~ 406 habitat structures will be installed interspersed with ~463 m of planted rock key, including a total of 8 riffles, across 11 different sites to improve fish rearing, passage and spawning functions over a total length of 1,260 m. The total length of riparian habitat that will be planted is approximately 1,305 m. Works will collectively provide an estimated habitat improvement area of 12,590 $m^2$.

Past projects constructed using methods similar to those that will be utilized here have been found to be durable and attract fish from within the system almost as soon as construction is completed. The prescribed restoration installations will provide preferred micro-habitats for utilization by target species and will contribute to improved habitat productivity.

The substantial amount of habitat complexing is anticipated to generate innumerable microhabitats that will mimic natural features. Additional benefits expected to result from the improved complexity and versatility of habitat in and around the proposed sites include:

- linking habitat restoration works to existing high value features;
- combining techniques such as riffles with improved streambank complexity; and
- off channel and/or upstream habitat linkages.

Instream and streambank rock and wood structures, combined with riparian planting at strategically important locations, will be installed using passive designs to trigger a naturally driven habitat complexity regeneration process that require little or no maintenance. A total of five larger riffles and four smaller riffles will be installed at four of the sites to improve spawning and rearing potential as well as fish passage to upstream habitat. Degraded streambank habitat will be re-complexed with rock and wood structure at all 11 sites, varying in length from 95-135 m, to provide improved cover, hydraulic variability, riparian vegetation and reducing sediment entrainment to downstream locations. Riparian planting will be undertaken at each site. Sediment storage opportunity will be built into site designs during channel reconfiguration and combined with bar stabilization installations at four of the 11 sites to help remove excessive bedload from active transport during freshet.

The outcome of these various re-complexing installations will be improved water quality through reduced sediment loading, retention of a preferred channel configuration with scour pool features, a deeper narrower wetted width with a rough, secure streambank edge that scours slightly but remains stable which creates cover for both juvenile and adult fish. Additionally, the creation of energy efficient resting areas, shade and secure surface area for benthic community regeneration, improved substrate quality for spawning and more natural benthic invertebrate production and improved egg to fry survival rates should all be achieved. The riparian vegetation, once regenerated, will contribute root structure to bank stability, instream cover, shade, insect drop and leaf litter contribution, and large wood debris recruitment to the stream.

All of these features are characteristics that have generally been stripped out of the habitat complexity matrix at degraded sites and are critical to providing high quality fish habitat for spawning, egg survival and juvenile rearing life functions for the target SAR. The rock and wood habitat structures, riffles and riparian plantings being reintroduced to each site will enable re-development of these complex habitat features. Once the structures are in place natural processes of recovery are triggered and sites begin to recover complex structural, hydraulic and biological features within a few freshets following restoration.

Naturalization of these features will continue until the most successfully restored sites, around the age of 20 years, show little sign of human intervention and begin to approach local natural potential. Depending on site condition and resilience over time, benefits for target species are anticipated to continue over a term of 20 to 200 years providing improved productivity potential.

Working partnership with the SFC, restoration features will be characterized and captured through a monitoring program which will observe and document habitat feature improvement and the naturalization processes at all restored project sites. Monitoring will produce cumulative results which will be reported annually and summarized in a final report in Year 4.

Monitoring data will include:

- Pre-conditions of potential restoration sites;
- Post-restoration conditions including effectiveness of restoration works and functional changes to the site; and
- Data to contribute to adaptive feedback management approach including what improvements can/should be made to improve restoration results and, recognizing that aquatic restoration is dynamic, what different measures should be taken to address any new environmental conditions which have emerged.

### 1.3. Outcomes Description

The proposed CNFASAR project will generate a long-term ecological services legacy by restoring sites with potential high habitat value using known outcome methods to return complexity to degraded habitat and enable a naturalization process. In the 0 – 20 year period immediately following restoration, the most immediate benefit will be improved

habitat complexity at the restored sites which will result in the gravitation of target SAR species individuals to the restored habitat. In addition to this short-term benefit, a long-term legacy of increased habitat value and productivity is projected to continue to pay an ecological services dividend over a longer term of 20 to 200 years providing improved productivity potential.

A second outcome will be the accumulation of monitoring data which will enable restored site conditions and productivity to be reviewed and compared with pre-restoration condition so that long term benefits can be evaluated and inform future restoration efforts.

A third outcome resulting from the project will be the opportunity to modify future habitat management practices based on the results of these restoration projects to improve future habitat management methods for the support of these key species and the ecosystem functions they represent.

A fourth outcome of the project will be contribution to strengthening partnerships with First Nations interests, such as those of Secwepemc Fisheries Commission, in successfully co-managing fish and fish habitat resources. The project field work and monitoring activities will generate a legacy of increased Indigenous involvement through capacity building and the development of working relationships with Indigenous organizations, individual bands and individual band members in the common goal of stewardship of species at risk and habitat restoration.

## 2. Activities

### 2.1. Annual Work Plan for 2019-20

| **Annual Work Plan for 2019-20** |
|---|
| **Activity 1: Habitat Restoration**<br><br>**Estimated Cost CNFASAR $415,002**<br><br>**Start and End dates: 01/08/2019 - 31/03/2020**<br><br>**General Description of the Activity:**<br>This activity includes the prescription development, site supervision, materials procurement, construction and installation of 71.5 habitat structures and 138 metres of rock toe, 284 linear metres of riparian planting, at 2 of sites as well as project management and reporting.<br><br>**Tasks:**<br>• Develop restoration prescriptions.<br>• Procure all materials required for to implement prescribed works.<br>• Obtain all required government permits.<br>• Obtain all required land owner permissions.<br>• Complete prescribed habitat structures, rock toe sections and riparian planting and seeding under supervision of professional biologist.<br>• Negotiate and manage contribution agreement, including retaining contractors, processing invoices and payments and ensuring reporting is completed.<br>• Submit acknowledgement signage draft to DFO for approval prior to production.<br><br>**Deliverables:**<br>a) A completed Schedule 7A from this contribution agreement;<br>b) Copies of paid receipts or invoices, less 50% GST, for CNFASAR funded expenses for any expense line that is 5% or more of the annual contribution amount with the exception of costs categorized as Administrative Overhead; and<br>c) A written report, including:<br>o A description of the works undertaken and area restored;<br>o Annotated photo documentation of all restoration activities showing the works before, during and after completion of restoration and photo of installed signage; and<br>o Monitoring efforts. |

## 2.2. Annual Work Plan for 2020-21

**Annual Work Plan for 2020-21**

**Activity 1: Habitat Restoration**

**Estimated Cost CNFASAR $550,010**

**Start and End dates: 01/04/2020 - 31/03/2021**

**General Description of the Activity:**
This activity includes the prescription development, site supervision, materials procurement, construction and installation of 116 habitat structures and 326 metres of rock toe, 475 linear metres of riparian planting, at 4 sites as well as project management and reporting.

**Tasks:**

- Develop restoration prescriptions.
- Procure all materials required for to implement prescribed works.
- Obtain all required government permits.
- Obtain all required land owner permissions.
- Complete prescribed habitat structures, rock toe sections and riparian planting and seeding under supervision of professional biologist.
- Manage contribution agreement, including retaining contractors, processing invoices and payments and ensuring reporting is completed.
- Submit acknowledgement signage draft to DFO for approval prior to production.

**Deliverables:**

a) A completed Schedule 7B from this contribution agreement;
b) Copies of paid receipts or invoices, less 50% GST, for CNFASAR funded expenses for any expense line that is 5% or more of the annual contribution amount with the exception of costs categorized as Administrative Overhead; and
c) A written report, including:
    - A description of the works undertaken and area restored;
    - Annotated photo documentation of all restoration activities showing the works before, during and after completion of restoration and photo of installed signage; and
    - Monitoring efforts.

## 2.3. Annual Work Plan for 2021-22

**Annual Work Plan for 2021-22**

**Activity 1: Habitat Restoration**

**Estimated Cost CNFASAR $557,658**

**Start and End dates:01/04/2021 - 31/03/2022**

**General Description of the Activity:**
This activity includes the prescription development, site supervision, materials procurement, construction and installation of 151 habitat structures and 295 metres of rock toe, 306 linear metres of riparian planting, at 3 sites as well as project management and reporting.

**Tasks:**

- Develop restoration prescriptions.
- Procure all materials required for to implement prescribed works.
- Obtain all required government permits.
- Obtain all required land owner permissions.
- Complete prescribed habitat structures, rock toe sections and riparian planting and seeding under supervision of professional biologist.
- Manage contribution agreement, including retaining contractors, processing invoices and payments and ensuring reporting is completed.
- Submit acknowledgement signage draft to DFO for approval prior to production.

**Deliverables:**

a) A completed Schedule 7C from this contribution agreement;
b) Copies of paid receipts or invoices, less 50% GST, for CNFASAR funded expenses for any expense line that is 5% or more of the annual contribution amount with the exception of costs categorized as Administrative Overhead; and
c) A written report, including:
    - A description of the works undertaken and area restored;
    - Annotated photo documentation of all restoration activities showing the works before, during and after completion of restoration and photo of installed signage; and
    - Monitoring efforts.

## 2.4. Annual Work Plan for 2022-23

| Annual Work Plan for 2022-23 |
|---|
| **Activity 1: Habitat Restoration**<br><br>**Estimated Cost CNFASAR $336,714**<br><br>**Start and End dates: 01/04/2022 - 31/03/2023**<br><br>**General Description of the Activity:**<br>This activity includes the prescription development, site supervision, materials procurement, construction and installation of 67 habitat structures and 211 metres of rock toe, 222 linear metres of riparian planting, at 2 sites as well as project management and reporting.<br><br>**Tasks:**<br>• Develop restoration prescriptions.<br>• Procure all materials required for to implement prescribed works.<br>• Obtain all required government permits.<br>• Obtain all required land owner permissions.<br>• Complete prescribed habitat structures, rock toe sections and riparian planting and seeding under supervision of professional biologist.<br>• Manage contribution agreement, including retaining contractors, processing invoices and payments and ensuring reporting is completed.<br>• Submit acknowledgement signage draft to DFO for approval prior to production.<br><br>**Deliverables:**<br>a) A completed Schedule 7D from this contribution agreement;<br>b) Copies of paid receipts or invoices, less 50% GST, for CNFASAR funded expenses for any expense line that is 5% or more of the annual contribution amount with the exception of costs categorized as Administrative Overhead; and<br>c) A written report, including:<br>o A description of the works undertaken and area restored;<br>o Annotated photo documentation of all restoration activities showing the works before, during and after completion of restoration and photo of installed signage; and<br>o Monitoring efforts. |

# 3. Projected Expenditures

## 3.1. CNFASAR Projected Expenditures for 2019-20

| **Budget 2019-20** | | |
|---|---|---|
| **Expense category** | **Expense description** | **$ Requested to CNFASAR** |
| Professional and technical services | Professional Biologist<br>Prescription development, site supervision, signage costs, reporting. (Note: rate includes travel & accommodation)<br>• 1 @$1,537.50/day x ~72 days = $110,700<br>**(CNFASAR portion = $44,972)**<br><br>Project Coordinator<br>Project planning and coordination, budget preparation and monitoring, invoicing and bill payments, liaison between partners, report writing and coordination of reporting for all partners.<br>• 1 @ $350 x ~30 days = $10,500 | $55,472 |
| Salaries and wages and employer mandatory benefits | Accountant<br>Oversight of financial transactions related to project.<br>• 1 @ $230/day x ~31 days = $ 7,130<br><br>Executive Director<br>Attending meetings, approval of project related decisions/contracts, outreach to project partners<br>• 1 @ $350 x ~17.5days = $ 6,125 | $13,255 |
| Construction and related costs | **<u>SITE #1</u>**<br>Construction and procurement of habitat structures (HS) (Note: Rates vary due to accessibility of materials):<br>• 35 @ $4,033.38/HS = ~$141,168<br>**(CNFASAR portion = $80,667)**<br><br>Construction and installation of rock toe between habitat structures:<br>• $671.38/meter x ~87 linear meters = ~$58,410<br>**(CNFASAR portion = $23,498)** | $165,048 |

# SCHEDULE 7A (2019-2020)

## PROGRESS REPORT / YEAR-END REPORT

### Canada Nature Fund for Aquatic Species at Risk

| | |
|---|---|
| Fiscal Year: | 2019-20 |
| Agreement Number: | 2019-NF-PAC-003 |
| Name and Address of Recipient: | British Columbia Conservation Foundation<br>1B – 1445 McGill Road<br>Kamloops, British Columbia V2C 6K7 |
| Amount of Approved Contribution: | $415,002 |

**Reporting period:** from: December 1, 2019 _____ to: March 31, 2020_____

| **Type of report:** | **Purpose of report:** |
|---|---|
| ☐ Progress Report | ☐ Request for initial payment |
| ☒ Year-end Report | ☐ Request for reimbursement |
| ☐ Final Report | ☒ Release holdback |

## Section 1 – Financial Summary

DFO Comments/Edits

**Table 1.1: CNFASAR Budget Expenditures 2019-20**
Fill in the last three columns. Do not alter the information in the first three columns.

| Expense category | Expense description | Budgeted Expenditures | Actual Expenditures to date | Planned Expenditures to the next reporting period *(if applicable)* |
|---|---|---|---|---|
| Professional and technical services | Professional Biologist<br>Prescription development, site supervision, signage costs, reporting. (Note: rate includes travel & accommodation)<br>• 1 @$1,537.50/day x ~72 days = $110,700<br>**(CNFASAR portion = $44,972)**<br><br>Project Coordinator<br>Project planning and coordination, budget preparation and monitoring, invoicing and bill payments, liaison between partners, report writing and coordination of reporting for all partners.<br>• 1 @ $350 x ~30 days = $10,500 | $55,472 | $38,559.38 | $0 |
| Salaries and wages and employer mandatory benefits | Accountant<br>Oversight of financial transactions related to project.<br>• 1 @ $230/day x ~31 days = $ 7,130<br><br>Executive Director<br>Attending meetings, approval of project related decisions/contracts, outreach to project partners<br>• 1 @ $350 x ~17.5days = $ 6,125 | $13,255 | $13,255 | $0 |
| Construction and related costs | **<u>SITE #1</u>**<br>Construction and procurement of habitat structures (HS) (Note: Rates vary due to accessibility of materials):<br>• 35 @ $4033.38/HS = $141,168<br>**(CNFASAR portion = $80,667)**<br><br>Construction and installation of rock toe between habitat structures:<br>• $671.38/meter x ~87 linear meters = $58,410<br>**(CNFASAR portion = $23,498)** | $165,048 | $24,169.49 | $0 |

| | | | | |
|---|---|---|---|---|
| | Equipment time for construction and installation of habitat structures and rock toes:<br>• $1,424.75/day x 46 days = $65,539<br>**(CNFASAR portion = $29,920)**<br><br>Seeding and planting of riparian areas with winter dormant, native willow and cottonwood cuttings (includes labour & materials costs):<br>• $143.50/linear meter x ~126 linear meter = $18,081<br>**(CNFASAR portion = $5,740)**<br><br>Lowbed trucking:<br>• $183.48/hr. x ~9 hours = $1,651<br><br>Trucking:<br>• $138.38/hr. x ~81 hours = $11,209<br>**(CNFASAR portion = $7,992)**<br><br>Installation of exclusion fencing:<br>• ~1800m @ 19.48/m = $35,064<br>**(CNFASAR portion = $15,580)** | | | |
| | **<u>SITE #2</u>**<br>Construction and procurement of habitat structures (HS) (Note: Rates vary due to accessibility of materials):<br>• 36 @ $4033.38/HS = $145,202<br>**(CNFASAR portion = $65,542)**<br><br>Construction and installation of rock toe between habitat structures:<br>• $671.38/meter x ~51 linear meters = $34,240<br>**(CNFASAR portion = $18,799)**<br><br>Equipment time for construction and installation of habitat structures and rock toes:<br>• $1,424.75/day x 42 days = $59,840<br>**(CNFASAR portion = $32,769)**<br><br>Seeding and planting of riparian areas with winter dormant, native willow and cottonwood cuttings (includes labour & materials costs):<br>• $143.50/linear meter x ~158 linear meter = $22,673<br>**(CNFASAR portion = $6,314)**<br><br>Lowbed trucking:<br>• $183.48/hr. x ~13 hours = $2,385<br><br>Trucking:<br>• $138.38/hr. x 57 hours = $7,888 | $133,697 | $133,696.68 | $0 |
| Monitoring and reporting | Monitoring activities conducted by SFC contractor and preparation of monitoring report relating to pre-conditions of potential restoration sites; post-restoration conditions (including effectiveness of restoration works and functional changes to the site); data to contribute to an adaptive feedback management approach on what improvements can/should be made and what measures best address new emerging environmental conditions.<br>• $33,533 | $33,533 | $33,533 | $0 |
| Administrative overhead up to 10% of eligible costs of the project | % of BCCF rent, postage, courier, communications, computers, office supplies and services, website, subscriptions, bank charges, board of director meeting expenses, insurance, legal & professional costs and amortization.<br>• $13,997 | $13,997 | $13,997 | $0 |
| | **Total** | **$415,002** | **$257,210.55** | **$0** |

**Table1.2: CNFASAR Budget Deviations**
Progress reports: Where the 'Expenses year to date' have exceeded the Budget by 10% or more for a given expense category, please provide an explanation. Add rows as required.
Year-end reports: Where the 'Expenses year to date' have deviated above or below the CNFASAR budget by 10% or more for a given expense category, please provide an explanation. Add rows as required.

| Expense category | CNFASAR budget | Expenses year to date | Under- or Over-budget amount | Reason for budget deviation | Approved Y/N |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |

**Table 1.3: Other Sources of Support for 2019-20**
Indicate the amounts received from other sources of support in the appropriate column. Add rows as required.

| Organization Name | $Value of Federal cash and in-kind support | $ Value of other governmental cash and in-kind support | $ Value other cash and in-kind support | $ Total Support |
|---|---|---|---|---|
| Fisheries and Oceans Canada (CNFASAR) | $415,001.36 | | | **$415,001.36** |
| Pacific Salmon Foundation<br>CASH (Site 1)<br>(Habitat structure materials, equipment costs, rock, planting and trucking costs) | $0 | $0 | $52,900 | **$52,900** |
| Wallis Environmental Aquatics Ltd.<br>In-kind (Site 1)<br>(Biologist, habitat structure materials, equipment and operating costs, planting) | $0 | $0 | $71, 970 | **$71,970** |
| Wallis Environmental Aquatics Ltd.<br>In-kind (Site 2)<br>(Biologist, habitat structure materials, equipment and operating costs, planting) | $0 | $0 | $60,850 | **$60,850** |
| Land Owners- Rey Creek Ranch<br>In-kind<br>(Rock, equipment and operating costs, fencing materials ) | $0 | $0 | $94,932 | **$94,932** |
| Land Owners- Douglas Lake Ranch<br>In-kind<br>(Rock, Habitat structures, fencing materials, fencing installation) | $0 | $0 | $89,075 | **$89,075** |
| Pacific Salmon Foundation<br>CASH (Site 2)<br>(Habitat structure materials, equipment costs, rock, planting and trucking costs) | $0 | $0 | $66,045 | **$66,045** |
| **Total** | **$415,001.36** | **$0** | **$435,232** | **$850,233.36** |

# Section 2 – Performance Confirmation

**Table 2.1 – Checklist**

| Activities | Results of Activity |
|---|---|
| **Activity 1: Habitat Restoration**<br><br>**Results to provide to DFO:**<br><br>**Deliverables:**<br>a) A completed Schedule 7A from this contribution agreement;<br>b) Copies of paid receipts or invoices, less 50% GST, for CNFASAR funded expenses for any expense line that is 5% or more of the annual contribution amount with the exception of costs categorized as Administrative Overhead; and<br>c) A written report, including:<br>i. A description of the works undertaken and area restored;<br>ii. Annotated photo documentation of all restoration activities showing the works before, during and after completion of restoration and photo of installed signage; and<br>iii. Monitoring efforts. | ☒ Complete (submit results with report)<br>☒ Complete (final results submitted with a previous report)<br>☐ In progress (submit draft results with report)<br>☐ Cancelled (provide explanation in table 2.2)<br>☐ Delayed (provide explanation in table 2.2)<br>☐ Not started (i.e., reporting prior to activity start date)<br>☐ Realized in part (i.e., project was begun but was not completed) |

# Section 4 – Project benefits (to complete at the end of each fiscal year)

**Table 4.1. Results for the Fiscal Year**
Provide details on the results for the fiscal year and how they have contributed to reaching the project outcomes described in section 1.3 of Schedule 5.

A summary of year one (2019-2020) results and their contributions toward the four-year CNF project outcomes is summarized below.

Progress made in habitat restoration works completed at two sites have provided more than 71 habitat structures, 138m of rock toe, 284 m of riparian planting and one riffle toward the four year objective of 406 habitat structures, 463 m of planted rock key and 8 riffles. A total of 3,014 m2 of habitat was restored at the two sites completed in 2019-20 providing benefit to three target species (CH,CO,ST) in Year 1, out of an overall habitat restoration objective of 12,590 m2 over the four year objective for four target species. These year one outcomes also demonstrate progress toward achievement of the goal to provide a long term ecological services legacy by restoring degraded habitat sites with potential high habitat value for target species with durable robust restoration works that will pay a long term dividend in terms of improved habitat function.

Monitoring data has been provided for year one works through a collaborative partnership with Secwepemc Fisheries Commission (SFC) including pre restoration, construction and post restoration site condition to document habitat feature improvement at the two sites restored in 2019-20. These monitoring results will be cumulative as repeat visits to monitor naturalization of restored sites occur in combination with monitoring of new restoration site activity during successive years over the four-year project cycle. The monitoring results will provide insight into the long-term legacy that will be provided by the restoration works. In addition, the monitoring activity undertaken by SFC further builds ongoing partnership with FN to successfully co-manage fish and fish habitat resources by continuing to amalgamate monitoring and site restoration skills.

A mutual learning opportunity is also being undertaken in cooperation with SFC and BCCF and a concurrent BCSRIF initiative that is providing a value-added benefit to the CNF projects. Three commercial fisher from the lower mainland spent 3 days in Kamloops where they we given the opportunity to share information, perspectives, challenges, and find common goals. Coastal fishers had an opportunity to see and hear firsthand the work that has been and continues to be done in the interior of BC to restore and enhance fish habitat.

Two ranch managers toured sites and discussions demonstrated the win-win that occurs from agriculture working with fish resources managers cooperatively.

New design features are being incorporated into each prescriptive design that better accommodate the impacts of climate change and ecosystem flux to provide robust, complex, durable and versatile restoration works in order to better achieve the relevant freshwater habitat restoration strategies couched within current Coho, Chinook, Sockeye and Steelhead recovery plans.

# Section 5 –Measuring Program Performance (to complete at the end of each fiscal year)

**Table 5.1. - Performance Measures**
Enter actual amounts in the last column.

| Performance Measure | Planned | Actual |
|---|---|---|
| Areas of aquatic habitat restored (sq. metres/km) | 2,500 m2 | 3,014m2 |
| Number of aquatic species at risk (species or populations) targeted by overall project activities | 4 | 3 |
| Number of aquatic species at risk (species or populations) subject to mitigated impacts from threats | 4 | 3 |
| Number of aquatic species at risk (species or populations) anticipated to have trends consistent with population and distribution objectives in recovery strategies and action plans | 4 | 3 |
| Number of actions implemented from recovery documents for aquatic species at risk (species or populations), including from area or threat-based plans | 4 | 3 |
| Number of reports (e.g. studies, surveys, inventories, and research reports) completed | 2 | 3 |
| Number of partners engaged and involved in the project (the Recipient and DFO must not be counted as partners): | 4 | 4 |
| Number of outreach events conducted (presentations, workshops etc.) | 2 | 3 |
| Number of actions likely to continue to occur beyond the Nature Legacy Fund | 2 | 3 |
| Number of jobs created | 8 | 8 |
| Number of people trained | 2 | 2 |

# Section 6 – Project Location and Species

**Table 6.1:** Project Locations

| Location Description | Latitude (decimal degree format) (e.g. 43.09057)<br><br>Longitude (decimal degree format) (e.g. -80.16062) | Specific Location (nearest town or city) | Measures Taken (ex. Instream, riparian, upland) | Threats/Impact |
|---|---|---|---|---|
| Guichon Creek, located near Logan Lake, B.C. off Hwy 97C | 50.418631 N, 120.818692 W | Logan Lake, BC | Instream complexing and riparian restoration and planting | Improvement to rearing habitat and improved spawning potential. |
| Nicola River, located near Merritt off Hwy 5A | 50.157557N, 120.104004 W | Merritt, BC | Instream complexing and riparian restoration and planting | Improvement to rearing habitat and improved spawning potential. |

**Table 6.2:** Target Species

| Species Name (Common and Scientific) | Population (if relevant) | COSEWIC Status | SARA Schedule 1 Status | Federal Recovery Strategy in place (Y/N) |
|---|---|---|---|---|
| Chinook Salmon, *Oncorhynchus tshawytscha* | S and N Thompson, Stream Summer | Endangered | n/a | n/a |
| | Lower Thompson, Stream, Spring | Endangered | | |
| Coho Salmon, *Oncorhynchus kisutch* | Interior Fraser | Threatened | n/a | n/a |
| Steelhead Trout, *Oncorhynchus mykiss* | Thompson River | Endangered | n/a | n/a |

**Table 6.3:** Benefitting Species (*complete if applicable*)

| | Population (if relevant) | COSEWIC Status | SARA Schedule 1 Status | Federal Recovery Strategy in place (Y/N) |
|---|---|---|---|---|
| ~~Chinook Salmon, *Oncorhynchus tshawytscha*~~ | ~~Lower Thompson, Stream, Spring~~ | ~~Endangered~~ | ~~n/a~~ | ~~n/a~~ |
| ~~Coho Salmon, *Oncorhynchus kisutch*~~ | ~~Interior Fraser~~ | ~~Threatened~~ | ~~n/a~~ | ~~n/a~~ |
| ~~Steelhead Trout, *Oncorhynchus mykiss*~~ | ~~Thompson River~~ | ~~Endangered~~ | ~~n/a~~ | ~~n/a~~ |
| | | | | |

**Table 6.4:**

Explain how your project's Activity(ies) have directly benefited the conservation and/or recovery of each targeted species and/or their habitat.

If you answered yes, to your project providing a direct benefit, indicate the specific recommendation(s) in the Recovery Strategy, Action Plan, Management Plan or equivalent and relate your project results to this/these recommendations (using section numbers, if applicable).

| Target Species | Direct Benefits? Y/N | Recommendation(s) addressed | Activity Type Category |
|---|---|---|---|
| Chinook Salmon, *Oncorhynchus tshawytscha* | N | | Freshwater habitat: improved rearing and spawning potential |
| Coho Salmon, *Oncorhynchus kisutch* | Y | CSCS, IFP/2006: Threat 3.5.3. Habitat Change, Strategy: maintain/restore habitat function, Recovery Objective 2: (protect/rehabilitate habitat) | Freshwater habitat: improved rearing and spawning potential |
| Steelhead Trout, *Oncorhynchus mykiss* | Y | TSRMP/2016: Threats: 1 Thompson River System Habitat Degradation, Res Mgt Opportunity T1: Restore instream/riparian habitats. | Freshwater habitat: improved rearing and spawning potential |
| Sockeye Salmon *Oncorhynchus nerka* | N | Not targeted in 2019-2020 | |

## Section 7 - Supporting Documentation

Complete the following table for all documents attached to Schedule 7 (e.g., invoices, pictures, drawings, plans, maps, contracts, etc.).

| Activity # | Deliverables (from Sch. 5 (2.1)) | Specific page(s) number | Document Title | Attachment (file) name (for electronic files) |
|---|---|---|---|---|
| 1 | a) A completed Schedule 7A from this contribution agreement; | n/a | SCHEDULE 7A (2019-2020) | 2019-NF-PAC-003_Schedule 7A_v6.docx |
| 1 | b) Copies of paid receipts or invoices, less 50% GST, for CNFASAR funded expenses for any expense line that is 5% or more of the annual contribution amount with the exception of costs categorized as Administrative Overhead | n/a | WEA Invoice CNF #2a, WEA Invoice CNF #2b, SFC CNF Invoice #1a, SFC CNF Invoice #1b, SFC CNF Invoice #1c, | WEA Invoice CNF #2a.pdf, WEA Invoice CNF #2b.pdf, SFC CNF Invoice #1a.pdf, SFC CNF Invoice #1b.pdf, SFC CNF Invoice #1c.pdf, |
| 1 | c) A written report, including: iii) Monitoring efforts | iii) Entire document | Thompson River Salmonid Habitat Restoration Project, 2019-2022 (CNFASAR) | Secwepemc Fisheries Commission Final MonitoringReport_BCCF-CNF.pdf |
| 1 | c) A written report, including:<br><br>i) A description of the works undertaken and area restored;<br><br>ii) Annotated photo documentation of all restoration activities showing the works before, during and after completion of restoration and photo of installed signage; | <br><br>(i) pgs 1-5 and 15 - 17<br><br>ii) pgs 6 – 12 and 18 - 24 | BCCF CNF Year 1 (2019-20) Restoration Activity Summary Report , May 2020 | CNF Y1 Restoration Activity Final Report May 2020.pdf |
| 1 | c) A written report, including:<br><br>i) A description of the works undertaken and area restored;<br><br>ii) Annotated photo documentation of all restoration activities showing the works before, during and after completion of restoration and photo of installed signage; | <br><br>i) pgs 1 – 4<br><br>ii) pgs 5 – 12 | Guichon Creek Streambank Restoration Project Construction Summary, 2020 | CNF PSF Y1 Guichon Creek 2019-20 Streambank Restoration Project as-built summary.pdf |

## Section 8 – Confirmation

I hereby confirm that the information provided in this report, including all attachments, is accurate to the best of my knowledge and that I am authorized to sign this report on behalf of the Recipient.

Name: Barb Waters

Position: BCCF Project Coordinator

Hard Copy Signature: _____ Date: _____

**Or**

**Electronic – Check Box**

☒ I have read and agree with the above statements