

# HRSEP 2000/01 FINAL REPORT

## Habitat Restoration and Salmon Enhancement Program

# HRSEP 2000/2001 FINAL REPORT

Habitat Restoration Contract : #00 – FRB-L -HR – 015

Project Reference: # F1528 – FO01 – 0066

Project Title: Beecher Creek Habitat Restoration / Lougheed Highway Culvert

### PROPONENT INFORMATION

Organization Name: 8<sup>th</sup> Northview Scouts

Contact Name, Title: Jim Atwater, Co-chair Stewardship Group

Mailing Address: 5531 Bessborough Drive, Burnaby, B.C. V5B 1E1

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Email: Jatwater@unixg.ubc.ca

Web Page:

Please list the **partners** in this project and their roles. Include the organizations, governments, funding sources, or volunteer groups that helped get this project started and completed. Roles may include (but are not limited to): letters of support, financial support, volunteer labour, help with acquiring permits, administration, access to landowner property, etc.).

Trans Mountain Pipeline cosponser Rivers Day at Beecher  
 City of Burnaby co sponser and prime organizer of Rivers Day Event at Beecher  
 City of Burnaby Parks -development of planting plan and planting of main tributary through Pitch and Putt  
 City of Burnaby Engineering- design of rock weir for culvert access  
 BCIT supply of equipment and volunteers for riparian planting  
 BCIT conducted and cosponsered smolt monitoring  
 Lord Tweedsmuir School New West volunteers for planting of tributary in Kensington Pitch and Putt  
 Burnaby District Scouts/pathfinders other than 8<sup>th</sup>, riparian planting  
 DFO coho release  
 MELP supply of personal and fish for cotthroat release at Rivers Day

## PROJECT INFORMATION

### PROJECT PREPARATION

Project Rationale (**Why** was this project important?)

Juvenile and adult access blocked by culvert geometry at the Loughheed Hwy. This is the last significant obstacle on the creek

Was a feasibility study or pre-assessment done for this project?    Yes     No

If yes, please describe when and by whom.

Did you receive DFO input on this project?    Yes     No

Name, Title, and Location of DFO Contacts that helped you with this project:

Barry Chilibeck . Engineer Vancouver  
Matt Foy Habitat Biologist, New Westminster  
Harold Beardmore Engineer New Westminster  
Maurice Coultier-Boivert, Community Liason Biologist, New Westminster

### PROJECT OBJECTIVES (FROM "APPENDIX A" OF YOUR CONTRACT)

**Objective # 1 :**

Provide fish access under the Lougheed Highway

Was it achieved?:    Yes     No

Details:

Baffles were installed in the culvert, apron weir was constructed to provide jump pool. Rock weir required to backwater to the apron weir could not be constructed due to issues surrounding the construction of skytrain. City of Burnaby will construct in the 2001 window.

**Objective # 2 :** Assess smolt production resulting from stocking and habitat improvements

Was it achieved?: Yes  No

Details:  
The smolt monitoring bridges the reporting periods. The spring 2000 monitoring was successful on Beecher . Report attached as a pdf file and Maurice Coultier Boivert has a copy. This years program is underway

**Objective # 3 :** Continue riparian planting of conifers and riparian vegetation

Was it achieved?: Yes  No

Details:  
Four separate plantings took place, 2 in the green belt one of which was in association with Rivers Day. The other plantings were along the main tributary of Beecher which is open in the Kensington Pitch and Putt Golf course. The planting in the Pitch and Putt was are first cooperative effort with the Parks Board . In total some 650 trees and shrubs were planted and 375 willow and red oscher dogwood cuttings were live staked over about 200 metres in the golf course and 900 metres in the green belt.

**Objective # 4 :** Support community involvement through a Rivers Day event centred around the Beecher Creek corridor

Was it achieved?: Yes  No

Details:  
Highly visible and well supported event. Had federal, provincial and municipal politicians out for greetings and participation in events.

**Objective # 5:** Repair one weir structure blown out on July1, 2000

Was it achieved?: Yes  No

Details:  
Done

**PROJECT SUMMARY**

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(Project Summary)

Objective 1 and 5 were carried out by Burnaby City crews and equipment with baffle design by J.W. Atwater and fabrication by BCIT. As indicated earlier final aspect of culvert passage not completed. Currently a 40 cm jump into apron pool which is currently shallower than designed as compromise. Rock weir which will backwater to the apron will be constructed in August 2001 by the City. Came in under budget.

Objective 2 Work carried out by BCIT staff, students and paid technician as well as stewardship volunteers. Contribution to project will be over budget.

Objective 3 Planting carried out by 8<sup>th</sup> Northview, other scout groups, school classes, community volunteers, BCIT staff and student volunteers and City of Burnaby volunteers. Plant material over and above what is bought is secured from local citizens and UBC forestry research.

Objective 4 Rivers Day celebration jointly funded with the City, Trans Mountain Pipeline, BCIT which covers cost of tents, tables, food and puppetry. On budget.

## **PROJECT STATUS AND FOLLOW-UP**

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Project in respect to objectives is complete except for rock weir which will be completed in August 2001. Future work recommended is continuing smolt monitoring, riparian planting and instream habitat restoration

## PROJECT SUMMARY STATISTICS

The statistics you will provide below help us to determine the specific and overall achievements of the Habitat Restoration and Salmon Enhancement Program. A summary report will be completed in the winter of 2001/2002, and distributed to all previously funded proponents. This report will be available to all interested individuals and organizations.

### PERSONNEL

Total # of persons trained (staff and volunteers):

STAFF  
Number of persons employed:

VOLUNTEERS  
Number of volunteers involved:

Person-days of employment created:

Total number of volunteer hours:

### ACTIVITY TYPE

**Species Addressed (check all that apply):**

Coho   
Pink   
Chum   
Other

Chinook   
Sockeye   
Steelhead

(Specify):

**Activity type (check all that apply):**

Inventory & Mapping (See #2 below)   
Public Awareness (See #3 below)   
Stock Enhancement (See #1 below)   
Other (Specify):

Stock Assessment (See #1 below)   
Habitat Restoration (See #4 below)   
Stewardship/Community Planning (See #3)

### QUANTIFIABLE RESULTS

**1. For Stock Assessment and Enhancement Projects:**

Number of Juvenile Salmon Enumerated:

Number of Adult Salmon Enumerated:

Number of Salmon marked/tagged or released:

Other (specify):

**2. For Mapping & Inventory Projects:**

Was your data collected in accordance with the DFO-HEB Info. Management guidelines or Sensitive Habitat Inventory Mapping (SHIM) guidelines? Yes  No

If yes, was it submitted in digital format? Yes  No

Linear or square metres of area mapped or inventoried:  m  m<sup>2</sup>

**3. For Stewardship/Community Planning and Public Awareness Projects:**

Number of Public Presentations/Media Releases:

Number of Landowners Contacted:

Other (specify):

**4. For Habitat Restoration Projects:**

Habitat Addressed (Check as many as apply):

In-channel  Off-channel  Riparian  Other (Specify):   Lake Estuarine/Marine

Fencing: Stream length protected  metres

Stream area protected (fence-to-bank width x length along stream):  Square metres

Riparian replanting: Area replanted

Number of trees/shrubs planted

In-channel habitat: Stream area restored

Off-channel habitat: Stream area created/restored

Estuarine habitat: Area created/restored

Lake habitat: Area created/restored

Fish Access: Length of stream made available

Total area of habitat made available (square metres):

Other (specify):

## **PROJECT LOCATION**

This information will help us to enter your project into the "Fisheries Project Registry", a joint Federal-Provincial database that summarizes fisheries projects in British Columbia and the Yukon Territory.

	<u>Name(s) or Code from the "BC Watershed Atlas"</u>		
Creek(s), stream(s), or river(s) where project took place:	Beecher Creek		
Name of local watershed:	Brunette River / Still Creek		
Major Drainage (check one):	<input checked="" type="checkbox"/> Fraser River <input type="checkbox"/> Mackenzie River <input type="checkbox"/> Columbia River <input type="checkbox"/> Skeena River <input type="checkbox"/> Nass River <input type="checkbox"/> Stikine River <input type="checkbox"/> Taku River <input type="checkbox"/> Yukon River <input type="checkbox"/> Other/Marine		
Marine Statistical Area or Sub-Area:			
Nearest Community:	Burnaby		
Other geographic information to help us locate your project:	Between Holdem and Springer, Parker and Still Creek ( see attached report for Map )		
Latitude:	<input type="text"/>	Longitude:	<input type="text"/>
UTM Coordinates:	Grid Zone: <input type="text"/>	Easting: <input type="text"/>	Northing: <input type="text"/>

## **SUPPORTING DOCUMENTATION**

You may attach additional documentation to illustrate your project's results. (optional)

Documentation Attached (Check as many as applicable)

Maps	<input type="checkbox"/>	Brochure	<input type="checkbox"/>
Photos	<input type="checkbox"/>	News clippings	<input type="checkbox"/>
Data report	X	Other	<input type="checkbox"/>

# FINANCIAL SUMMARY

## HRSEP FUNDING SUMMARY

Since the HRSEP funding was announced in June, 2000, you have provided interim financial statements and project updates with your invoices to receive installments of your funding. One final financial statement that summarizes all spending of HRSEP money is required for your final payment. Please enclose your financial statement and final invoice with this summary report.

Total received from HRSEP to date:	\$4260.00
Date:	September 2000
Total HRSEP money spent and reported on financial statement form (please attach statement):	\$21184.75
Total received from HRSEP after final invoice is paid (if not already paid):	\$21184.75

## OTHER CONTRIBUTORS

Contributions to the total budget may have been from other agencies or in-kind contributions from your own organization; please provide basic details below. Please add an extra page if necessary:

<u>Funding Source Details</u>	<u>Amount of funding (please note if funding is 'in-kind')</u>
City of Burnaby, Trans Mountain Pipeline, BCIT	\$2500 for Rivers Day
UBC Forestry Western Red Cedar and Salal	\$250 in kind
	\$
	\$
	\$