HABITAT CONSERVATION TRUST FOUNDATION

PROJECT REPORT

- 1. PROJECT NAME Region 3 Small Lake Water Conservation Project
- 2. HCTF PROJECT FILE # 3-192
- 3. FISCAL YEAR 2011 2012

FOR CONTINUING PROJECTS, CONTRACT EXTENSION - FINAL REPORT

4. LOCATION

a) Distance from a known place: <u>Kamloops</u> Longitude (degree/minute/seconds): 50° 40' 23" Latitude: (degree/minute/seconds): 120° 22' 23"

PROJECT EXECUTIVE SUMMARY - In the late 1990s HCTF provided significant funding for successful water conservation projects located at Peter Hope Lake and the Tunkwa/Six Mile series of lakes. Water licenses were consolidated, agreements were reached with land owners on irrigation use, and storage dams/water diversions were rebuilt or modified. The end result of this work, completed in 1998 and 2001 respectively, included 1/secured highly productive fish habitat, 2/improved public use of valuable water, 3/retention of fish habitat and 4/elimination of the threat of fish kills through reduction of irrigation withdrawals. This project was highly successful at achieving conservation of fish and fish habitat, and thereby ensuring continued production of sport fish for the angling public. Pete Hope, Leighton and Tunkwa angler days have increased by 53%, 287% and 55% respectively between flight count periods conducted during the late 1980's to counts conducted in 2000-2004.

Numerous small lakes and streams within the Thompson Region currently have reduced trout and salmon rearing capabilities. This is due to faulty water diversions, lack of integrated water systems, and excessive or inefficient use of water. These systems results in extreme lake level draw downs. Collectively these lakes are highly productive and support a high angler use upwards of 50,000 angler days. This use level represents \$5,000,000 to the provincial economy. The project proposed here involves building on the success of the Tunkwa/Six Mile lakes chain project, with the aim of conserving water and maintaining fisheries for future generations of anglers.

ACTIVITIES/TECHNIQUE(S)

Paul Lake

Agreement has been reached between the Kamloops Indian Band (KIB) and MOE to develop a water release schedule for Paul Lake which will maintain a wetted channel throughout the year while minimizing unnecessary lake extractions. Along with releases for irrigation, KIB releases water throughout the fall and winter to allow for coho spawning and incubation. Structural

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improvements to diversions and delivery systems used for agriculture are expected to increase water use efficiency and reduce release requirements from Paul Lake.

Flow measurement surveys have been conducted over the past 4 seasons to provide baseline information and will be used in the development of the release schedule which is expected to significantly reduce water extraction from Paul Lake. Work has been completed.

Campbell Lake

Indepth communications and negotiations with the Water Stewardship Division had resulted in the tentative agreement to rescind newly granted water licenses and retain the lake level one foot higher than currently licensed.

s.14 Efforts will continue to secure an agreement to maintain the existing water level on Campbell Lake.

Roche Lake

Efforts to initiate negotiations with the primary water licensee to determine if alternative opportunities can off-set future water extraction on Roche Lake were not successful. Water supply over the last 5 of 6 years has been non-existent and crop yields from receiving property have been minimal. Fisheries will continue to work towards minimizing water extraction from Roche Lake. No firm timeline can be placed on this initiative.

Edith Lake

A water diversion and weir to deliver and store water within Edith Lake had not been utilized for approximately 12 years, and as a result, trout productivity within the lake are severely compromised. As a direct result of zero diversions into the lake, combined with annual evaportion, the current pH of Edith Lake is 9.0. This level of alkalinity is recognized as the break point for maintaining healthy salmonid stocks. Feasibility and planning for this project have been completed and efforts to re-initiate storage in Edith Lake will be completed with the approved Small Lakes Water Use Strategy project.

Jacko Lake

Through mitigation to the development of a mine site adjacent to Jacko Lake, Afton Mines increased the dam height on Jacko Lake and allocated the new storage license (approx. 4 vertical feet) to MoE. The extraction of water from Jacko Lake is controlled by downstream water users and during periods of low water returns, it is known that our conservation water license is utilized for irrigation. Activities this year included developing a release schedule for Jacko Lake that protects conservation storage and potentially including Edith Lake which is located within the same drainage area. Due to significant delays in acquasition of electronic flow information from Knight Piesold, this project was extended to allow our engineer the opportunity to evaluate the data and complete the development of the release strategy. This work has now been completed and Water Management is implementing this strategy into the operational release schedule for the water baliff.

Potential Water Availability Assessment

Many of the most productive lakes within the Thompson Region are reservoirs, and on many of these reservoirs not all of the available storage is currently licensed. Activities for this initiative included a review the current licensing on our most productive reservoirs and determine where opportunities to secure storage for conservation purposes may exist. Surprisingly many of these reservoirs were found to have insufficient storage capacity to meet the licensing commitments place on them. This issue will be brought up with Water Management to rectify these oversights.

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MEASURES OF RESULTS

Success for the seven initiatives contained within this project can be clearly identified as follows:

- Paul Lake: Stability in lake levels & increase productivity of littoral areas/improved trout growth.
- Campbell Lake: Legal maintenance of lake crest at 3418 ft. (one additional foot above current status).
- Roche Lake: Stability in lake levels & increase productivity of littoral areas/improved trout growth.
- Edith Lake: Augment lake volume to decrease pH levels and increase existing littoral area along with trout growth/numbers.
- Jacko Lake: Develop a release schedule that protects conservation storage license.
- Pass Lake: Determine if weir construction is feasible and, if so, engineer a construction design.
- Potential Storage Water Availability: Determine where opportunities exist to apply for additional conservation storage licenses on high productivity lakes. Determine where shortages also exist and rectify licensing demands to match supply.

BENEFITS/RISKS

Small lakes in the Thompson Region generate approximately 800,000 angler days per year. The annual benefits received from these angler days include vital revenues (\$80,000,000) to local economies, fisheries agencies and HCTF.

- Excessive water use for irrigation combined with the effects of global warming (reduced snow packs and MPB infestation) is currently having a significant negative impact on the ability of many highly productive lakes to produce quality trout stocks. These lakes support the bulk of the angler effort in the region. If left unchecked, these combined impacts will minimize the angler use of these fisheries and ultimately result in lower revenues to all businesses, agencies and non-profit organizations.
- This project is designed to directly address and mitigate water shortage issues on key lakes and streams within the Thompson watershed in an effort to reduce or eliminate the impacts to the fisheries values and capacities of these waterbodies.

• EXTENSION/PUBLIC INFORMATION/PARTICIPATION/PARTNERS

Close consultation and co-operation with the public, landowners and conservation groups was the key to success with the Tunkwa/Six Mile lakes project and this approach will be repeated for this project.

- As with our past successes in water conservation projects, appropriate signage and press releases will be developed to inform the public on the appropriate use of public funding. As always, HCTF will be listed as the primary financial supporter of these projects.
- Presentations to various public groups and at inter-agency meetings will also be used to highlight successful projects.

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7. PHOTOGRAPHIC RECORD



Photo #1. Bedrock control of lake level on Campbell Lake. Current water license allows for the removal of these bedrock controls and a reduction of lake depth by approx. one foot. Active negotiations with WSD have resulted in the imminent extraction from the license that allows for the stripping of this bedrock control.

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Photos #2 & 3. Off seasonal (non-irrigation) water releases from Paul Lake (Photo 3) and into irrigation ditch (Photo 4) results in a significant reduction in shoal area and thus invertebrate production. This non-irrigation release of water of between 5 to 7 c.f.s. from October thru to April (7 months) represents a loss of approximately 2500 acre ft. of storage during this period which equates to **4 vertical feet** of lake depth.

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Photo #4. Stumplake Ck with irrigation pump house in the background. Irrigation now utilizes water delivered from Stump Lake and allows fresh (lower pH & TDS) stream water to enter the lake.

Photo #5. A 3 pound kokanee caught in Stump Lake in 2001. When water conditions are suitable, this 700 ha. lake provides the best angling opportunity in the Thompson region and provides a prime family fishing opportunity.

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Photo #6 & 7. Jacko Lake dam and outlet channel. Located only20 minutes from Kamloops, Jacko Lake is one of the most productive and valuable small lake fisheries in the region. Although the province holds the majority water license for conservation on the lake, the lack of an enforced release schedule has led to over a decade of extreme low water conditions and loss of production capacity for fisheries.

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Photo #8 & 9. Edith Lake dam and outlet channel. Similar to Jacko Lake, Located only20 minutes from Kamloops, Edith Lake is one of the most productive and valuable small lake fisheries in the region. Although annual diversions of water into Edith Lake are written into the licenses, over a decade of neglect has left Edith Lake approx. 6 feet below the historical level of the lake. Defining and enforcing the appropriate diversion schedules is part of this projects goal.

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Page 8 FNR-2012-00289 **FINANCIAL DETAILS**

PROJECT FINANCIAL REPORT

(if applicable e.g. C	roject Leader: rant #: ATXX X XXX)		Stephen Maricle	I	HCTF Project (e.g. 6 1	#: <u>3-192</u> 25)
Project Name	3 Pagion	2 Sm	all I ako Wator (onservation Pr	HCTF Approv Budget Amou	red \$25,679.71 nt:
	J. Region	5 511			Ojeci	
Reporting Period:	04/01/11 	to	03/31/12 mm/dd/yy	Reporting P	urpose:	Annual Report

PART 1. FINANCIAL REPORTING (HCTF MONIES ONLY)

A. Labour Costs

i. Human Resources – Wages & Salaries

Position	# of Crew	# of Work hours	Rate/day	HCTF Amount
Fisheries Technician	1	174.25	26.54/hr	4,624.75
Person Days (# of crew x work days)			Subtotal i	\$4,624.75

ii. Subcontractors & Consultants (provide details in text)

Contractor	# of Crew	# of Work Hours	Rate/Hr.	HCTF Amount
BC Rivers Consulting	1	132.5	120.00	15,900.00
			Subtotal ii	\$15,900.00
	A. To	tal Labo	ur Costs	\$20,524.75

B. Site / Project Costs

	Details	HCTF Amount
Travel		681.91
Small Tools & Equipment		
Site Supplies & Materials		
Equipment Rental		
Vehicle Rental (incl. Helicopters)		
Work & Safety Supplies		
Repairs & Maintenance		
Permits		
Technical Monitoring		

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Other Site / Project Costs		

B. Total Site / Project Costs

\$681.91

C. Overhead

	Details	HCTF Amount
Office space, utilities, etc.		
Insurance		
Office supplies		
Telephone & long distance		
Photocopies & printing		
Administration fees (Details required)	BCCF	2,875.64
Other overhead costs		
Unrecoverable HST		913.66
	C. Total Overhead Costs	\$3,789.30

PART 2. SUMMARY OF EXPENDITURES FROM ALL FUNDING SOURCES (Please list all partnership funding for the project and identify the partner)

		HCTF Funding		Other Fundin	g		Total –
		Amount (Use data from Part 1)	Source	In-kind	Cash	Sub-total Other Funding	(HCTF and Other)
Α.	Labour Costs	\$20,524.75	F&W Section	5,000		5,000	\$25,524.75
В.	Project / Site Costs	\$681.91	F&W Section	1,000		1,000	\$1,681.91
C.	Overhead Costs	\$3,789.30					\$3,789.30
Тс	otal Costs	\$24,995.96		\$6,000		\$6,000	\$77,070.29

PART 3. EQUIPMENT PURCHASE SUMMARY

Equipment (list items >\$1000 purchased and quantity)	Serial Number	Dollar Value	Location Stored	Contact

Certified that the project has been satisfactorily completed and all purchases and equipment over \$1000 per item have been returned in satisfactory condition.

Project Proponent Signature Date Print Name

HCTF USE ONLY - Financial Report Accepted by:

Controller, Habitat Conservation Trust Foundation

Date



Enhancement Project Application: CONTINUING Project Funding Year: 2012-2013

[HCTF to complete] Project File #: 3-192

PROJECT OVERVIEW

Project Name: (Maximum 1 line. If previously funded by HCTF, please use the same project name) Thompson Region Small Lakes Water Use Strategy Project

AMOUNT REQUESTED FROM HCTF FOR FUNDING YEAR 2012-2013: (Ensure that this amount matches the total amount identified in the Budget.)

s.17

Proponent Name: (Identify who is submitting this proposal.)

Stephen Maricle

Organization Name: (Provide the name of the proponent's organization.)

Ministry of Forest, Lands, and Natural Resource Operations

3

of

Author of Proposal: (If different from proponent submitting proposal.)

This is Year 2

Years. You must fill out the <u>multi-year budget</u> table below.

MULTI-YEAR BUDGET SUMMARY (Click on Year of Project button to highlight the year of this proposal.)

Year of Project	Funding Year (e.g. 2012-2013)	HCTF \$ Requested/Projected	HCTF \$ Approved (to-date)	Total Other Funding	Total \$
1	2011-2012	\$70,125.00	\$70,125.00	\$10,000.00	\$80,125.00
2	2012-2013				
3	2013-2014				
4				s.17	
5					
Totals					
Multi-year Budget C	omments:	· · · · ·			

Project Description: (Describe what your project will accomplish. Revise description annually to reflect current proposal. Maximum 3 lines)

Developing an understanding of water availability and use for high priority small recreational lakes in the Thompson drainage. Information gathered through this process will be used to develop Water Use Strategies (W.U.S.'s) for the watersheds that will lay the foundation for improved management of the water resources.

Project Location: (Provide a one-line description that includes distance to the nearest town or other known feature.) Kamloops area

UTM Coordinates: (Coordinates will be used to locate HCTF projects on a map.) 50° 40' 23"/ 120° 22' 23"

Project Type: (Project Type codes can be found at <u>http://www.hctf.ca/Application/attachmenta.htm</u>) WM

Species to be enhanced: (Maximum 4. Species codes can be found on the BC Species and Ecosystem Explore website at <u>http://a100.gov.bc.ca/pub/eswp/search.do</u>) F-ONMY, F-ONKI, F-ONNE

PROJECT DETAILS

This section (# 1 – 6), should not exceed 5 pages. Instructions are available on the HCTF website at <u>http://www.hctf.ca/Application/</u> ApplicationInstructions_CONTINUING.html

1. PROJECT PROGRESS TO DATE (2 pages or less)

Numerous small lakes in the Thompson Region currently have reduced trout rearing capabilities. This is due in part to water use in excess of licensed allocations. These practices result in extreme lake level draw downs and sharply decreased productivity. Water is a Crown resource requiring appropriate management to ensure optimal benefits for all users. This project is designed to identify where water efficiencies can be achieved and develop the appropriate framework to ensure these changes occur within a number of the highest priority small lakes in the Thompson Region.

The first year of this project was dedicated to developing an understanding of the Anderson Creek water use and working toward re-initiating water diversion into Edith Lake. Edith Lake is an important fishery for the region as it is a productive grassland lake located less than 10 km south of Kamloops and generates an estimated 5,000 angler days per year. As well, HCTF, the province and HVEF have committed over \$175,000 to purchase and enhance public access and use.

Edith Lake had not received water diversions for approximately 12 years, and as a result, the lake level is down approximately 1.25 meters and the pH has increased by 0.5 to 9.0. Trout condition and survival rates have noticeably decreased as a result of this near toxic pH level.

Through an investigation of Anderson Creeks water use records and subsequent negotiation with Water Management and Ilcensees, water was diverted into Edith Lake and the lake level was increased by 0.71 meters. The pH levels on Edith Lake were reduced from 9.0 to 8.7, and the quality of the fishery was significantly improved.

Water flow records were also installed on the Roche and Bleeker lake chain to gather information on water use within this high angler use area. Total annual angler use of the 10 lakes of this chain is estimated at 42,000 angler days. We met with the ranch manager of Willow Ranch, which is the primary water licensee within this drainage. In discussions with the ranch manager it appears we can work towards upgrades and improvements to the water delivery system on the Bleeker Creek chain of lakes, which will reduce the demands on the more valuable (from an angling prospective) Roche Lake chain of lakes.

2. IS THE PROJECT PROGRESSING AS PLANNED? (Please explain.)

The progress of this project is actually proceeding ahead of schedule. Our plans were to work on the Anderson Creek system this year and push for Edith Lake diversion next spring. Due to the combination of favorable licensing reviews, cooperative licensees and a wet spring, we were able to divert a significant volume of water into Edith and restore the fishery.

Also on the Roche and Bleeker lake chain, we had planned only to collect flow and licensing information this year and enter into discussions with Willow Ranch next year. A fortuitous meeting at the Bleeker Lake dam has put us ahead of schedule on this watershed as well.

3. OBJECTIVES AND ACTIVITIES/METHODS: SUMMARY

Summary Table of Objectives and Activities/Methods (Please number each as indicated below.)

Project Objectives	Activities/Methods	Measures of Success	Timeline
1. Complete a thorough water allocation review of priority watersheds in the Thompson Region, including Roche/Bleeker & Duffy/Dairy systems	1.1 Review Water Mgmt records to determine appropriate water allocation	1.1.1 Comparing water allocation to actual use/losses will allow for finding opportunities for conserving water	Spring to Winter 2012

Project Objectives	Activities/Methods	Measures of Success	Timeline
2. Collect actual water releases, use & stream bed losses on Roche/Bleeker and Duffy/Dairy systems	2.1 Install in-steam flow recorders to determine water availability, use, and streambed losses	Units installed will provided actual water use and streambed losses	Spring to winter 2012
3. Contact Water Management Branch and water licensee(s) to discuss options for improving water delivery	3.1 Negotiate opportunities to Re-initiate appropriate release schedule on Roche/Bleeker & Duffy/Dairy systems	Potentially significant water volumes savings on these high priority waterbodies.	Fall 2012 to Spring 2013
		P	· · · · · · · · · · · · · · · · · · ·

4. DETAILED OBJECTIVES AND ACTIVITIES/METHODS

a. Objectives (Please use the same numbers as the Summary table above in section 3.)

1. Complete a thorough water allocation review of priority watersheds in the Thompson Region, including Roche/Bleeker & Duffy/Dairy systems. These reviews provide the baseline to understanding the details of actual allocation of water to individual licensees within these priority watersheds as well as specifics around priority dating and whether each license is supported by storage. In many cases, these reviews reveal that the original intent of the water licenses are not being practiced, and re-initiation of the actual allocation can result in significant reduces of water use/losses.

2. Collect actual water releases, use & stream bed losses on Roche/Bleeker and Duffy/Dairy systems. This information allows us to fully understand water release/use in these watersheds and determine significant discrepancies to licensed volumes.

3. Contact Water Management Branch and water licensee(s) to discuss options for improving water delivery. Once a clear understanding of both the legal water allocation has been fully researched, and ground truthing through both site inspections and water flow monitoring has been completed, discussion with how to improve the existing discrepancies between water volumes licensed and utilized will be completed, with the intention of improving the situation.

These objectives meet all 3 goals set out in HCTF Strategic Objectives. Goal 1: (Fish and wildlife habitats and populations are effectively conserved. Objective 1.1: Restore and enhance habitats that support fish and wildlife in British Columbia. Objective 1.2: Sustain the diversity, resilience, and productivity of fish and wildlife populations in British Columbia) is directly met through this project by restoring valuable aquatic habitats for both fish and wildlife species.

Goal 2: (More people use, enjoy, and participate in the conservation of British Columbia's fish, wildlife, and environments. Objective 2.1: Increase the levels of participation and satisfaction in activities that responsibly use fish and wildlife resources will be met by restoring these high value habitats and ensuring the productivity of these waterbodies are maximized. Goal 3: (HCTF is a recognized leader in fish, wildlife, and habitat conservation. Objective 3.1: Gain broader recognition of the conservation capabilities and achievements of the HCTF and its contributors, partners, and funding recipients) will be met through appropriate media coverage, public meetings and signage demonstrating the HCTF funding allowed this important work to move forward.

b. Activities/Methods (Please use the same numbers as the Summary table above in section 3.) 1.1 Review Water Mgmt records to determine appropriate water allocation. Thorough reviews will be completed on the Roche/ Bleeker & Duffy/Dairy watersheds.

2.1 Install in-steam flow recorders to determine water availability, use, and streambed losses. These recorders will be installed at strategic locations on these systems to determine water availability, streambed losses, and water use by licensees.

3.1 Negotiate opportunities to Re-initiate appropriate release schedule on Roche/Bleeker & Duffy/Dairy systems Water licensees will be contacted to discuss potential options or alternatives for improving their water delivery systems and achieving better efficiencies where possible. Water extractions in gross excessive will also be discussed with the Water Management Branch and licensees. 5. DETAILED MEASURES OF SUCCESS (Please use the same numbers as the Summary table above in section 3.)

Comparing water allocation to actual use/losses will allow for finding opportunities for conserving water. This have been a proven approach in the past as a starting point to negotiations with all parties involved. Having the actual facts in hand at the initiation of discussions precludes misunderstandings around actual discrepancies of water use.

6. COMMUNICATION/OUTREACH

a. Project Communication Plan

As this project moves forward and positive gains in water management are realized, communication/outreach will be met through appropriate media coverage, public meetings and signage demonstrating the HCTF funding allowed this important work to move forward. As in the past, when positive gains on any HCTF funded initiative is discussed or advertised, we ensure that these initiatives would not be possible with the support of the Habitat Conservation Trust Foundation. These efforts ensure that Goal #3 (HCTF is a recognized leader in fish, wildlife, and habitat conservation) is achieved. When signage is erected to advertise works completed, we ensure that the HCTF logo is front and center.

b. HCTF Communication Plan (How will your project help HCTF achieve Goal #3 of our Strategic Plan?)

As mentioned above, positive outcomes and gains realized by this project will be advertised in a variety of forms (media, public meetings, signage) and in all cases, HCTF will be mentioned as the primary funding agency that allowed this work to move forward.

7. LITERATURE CITED

Clear Map

8. MAP (Include a black & white map no larger than the size provided. The map should show enhancement sites and study areas in relation to know geographic areas. Please limit image file size to less than 1MB.)



Mailing Ac Address:	ddress of Legal Organization: 1259 Dalhousie Dr.	Phone: 250 371-6253		
City:	Kamloops	Cell:		
Province:	British Columbia	5.22		
Postal Code: V2C 5Z5		250 828-4000		
Additional	Proponents:			

10 BUDGET

Please ensure that all relevant taxes are included in your budget.

10.1: HCTF FUNDING ONLY

A. Labour Costs

i. Human Resources: Wages & Salaries Add			Remove	
Position	Total Days on Project	HCTF Person Days	Rate/Day	Total HCTF Amount
Contract staff to review water allocation records, install, monitor & record water metering information, provide technical assistance to contract engineer	120	120	s.17	s.17
	i. Total Hun	nan Resources: W	ages & Salaries	s.17

ii. Subcontractors/Consultants			Add	Remove
Contractor & Proposed Services	Total Days on Project	HCTF Person Days	Rate/Day	Total HCTF Amount
Hydrological Engineer	12	12	s.17	s.17
	ii. Te	otal Subcontracto	rs/Consultants	s.17

. Other	Add	Remove
Description	Total Cost	Total HCTF Amount
	iii. Total Other	

A. Sub-total Labour Costs

s.17

B. Site/Project Costs ¹		Add
Site/Project Costs	Details	Total HCTF Amount
Travel ²	Travel budget of Engineer	
Capital Expenditures/Equipment Puchase ³	Electronic Flow meter	
Site Supplies & Materials ^{4,5}	Misc. supplies & materials	
Rentals (equipment, vehicle, helicopter)	Vehicle lease s.17	s.17
Work & Safety Supplies		
Repairs & Maintenance	Repair to Frisken Creek pipeline	
Other Site Costs:	Misc. Expenses	

	B. Cult total Cita/Dualast Conta	
	B. Sub-total Site/Project Costs	s.17
C. Overhead/Administration	bbA	Remove
Overhead/Administration	Details	Total HCTF Amount
Office space, utilities (incl. telephone), etc.		
Office supplies		
Printing/photocopying		
Administration fee	BCCF (12.5%)	s.17
Sub-contractor administration fee (if not included in Sub-section A - Labour)		
Other overhead costs:		
	C. Sub-total Overhead/Administration Costs	s.17

1. Will there be costs to maintain this investment? If yes, how do you propose to pay for them? Provide details in section 4.0 (Detailed Objectives & Activities).

2. Refer to HCTF's website for travel guidelines.

3. Administration fees cannot be charged on equipment/capital purchases.

 Any capital expenditures, equipment purchases, site supplies and materials greater than \$1000 must be itemized in the text of the proposal. (Section 10.4)

5. Signs - if an HCTF sign is to be placed at the project site, include the cost of the sign in the budget details.

10.2: BUDGET SUMMARY FOR ALL PROJECT SUPPORTERS

This section should summarize the total budget for the project from all sources for the year, reconcile to section 10.1 for the HCTF Amount Requested, and reconcile to section 10.5 for Other Funding.

ματοποιήταται τη δεγιατική τη τη αγγοριατική τη	HCTF Amount	Other Funding		Total
	Requested (from Section 1)	In-kind Amounts	Cash	
A. Labour Costs				
B. Project/Site Costs				
C. Overhead Costs	s.17			s.17
TOTALS				

* Please ensure the total HCTF request matches the Amount Requested identified on page 1.

10.3: ADMINISTRATION FEES (Explain how this was calculated.)

We plan to use the British Columbia Conservation Foundation (BCCF) again next year to oversee all of the administrative requirements for the contractors and consultants. BCCF charges an average of 12.5% for these tasks.

10.4: CAPITAL EXPENDITURES/EQUIPMENT PURCHASES, SITE SUPPLIES AND MATERIALS >\$1000 (List only non-expendable items.)

One electronic "Star Flow" water meter - approximate value = s.17

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10.5: OTHER FUNDING PARTNERS Add			Remove
Other Funding Sources (Name of Organization/Agency/Funder)	in-kind Amount	Cash (Amount Requested)	Cash Confirmed
Fish & Wildlife Branch, MFLNRO			
· · · · · · · · · · · · · · · · · · ·	s.17		CYes CNot Yet
TOTALS			

If the unconfirmed partnership funding is not available,	Proceed at a reduced level.
the project will (check one box only):	Not proceed.