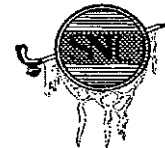




Ktunaxa Nation Council



Shuswap Nation Tribal Council

Upper Columbia Aquatic Management Partnership (UCAMP)

Aboriginal Aquatic Resources and Oceans Management Program Collaborative Management Agreement

Quarterly Report
January 1 – March 31, 2007

Prepared for:
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BACKGROUND

The Columbia Basin is an international watershed that has been negatively and severely impacted by human interventions, both in Canada and in Washington State. The most devastating impact was the loss of upper Columbia River anadromous salmon populations resulting from the construction, originally, of Grand Coulee Dam which had no fish passage provisions. Today, Columbia Basin fisheries and aquatic resources continue to be impacted by urban and industrial developments. As an international watershed that is affected by a number of treaties and agreements and management by several levels of governments, much work is needed to collaborate on programs and initiatives that will benefit fisheries and aquatic resources.

With funding provided under Fisheries and Oceans Canada's *Aboriginal Aquatic Resources and Oceans Management* (AAROM) program, the Ktunaxa, Okanagan and Secwepemc Nations and the Shuswap Indian Band can build capacity to have active involvement in fisheries and aquatic ecosystem management within the Columbia Basin. In March 2005, the ONA and the Canadian Columbia River Intertribal Fisheries Commission each signed a multi-year AAROM Capacity Building Agreement with DFO for planned activities to develop a collaborative management process for Columbia Basin fisheries and aquatic resources. The development of a Columbia Basin AAROM group was coordinated by a steering committee with representatives from the Okanagan Nation Alliance, Canadian Columbia River Intertribal Fisheries Commission, Shuswap Fisheries Commission, Ktunaxa Land and Resource Council and the Shuswap Indian Band. By the end of November 2005, the Okanagan, Ktunaxa and Secwepemc Nations had developed the framework for the *Upper Columbia Aquatic Management Partnership* (UCAMP) and submitted a funding proposal to the DFO AAROM Collaborative Management program for funding in the remainder of 2005/2006 and from 2006 – 2009 to support the operations of the Upper Columbia Aquatic Management Partnership.

INTRODUCTION

Reporting Period: January 1 – March 31, 2007, Fiscal Year 2006/2007

In 2006/2007, the Upper Columbia Aquatic Management Partnership will coordinate five main activities:

- UCAMP Administration
- Coordination of the UCAMP Policy and Technical Working Groups
- Habitat Stewardship
- Basin-wide watershed coordination
- Researching the feasibility of Upper Columbia Basin salmon restoration

AAROM CATEGORY I - INSTITUTIONAL CAPACITY

UCAMP Policy and Technical Working Groups:

By the end of March 2006, the UCAMP parties ratified the draft UCAMP Letter of Agreement which will formalize the Ktunaxa, Okanagan and Secwepemc Nations' and the Shuswap Indian Band's (SIB) participation in the Upper Columbia Aquatic Management Partnership and outlines how these three Nations and SIB will work together to achieve a coordinated approach to fisheries and aquatic ecosystem management in the Canadian Columbia Basin. The letter of understanding was to be reviewed at the inaugural meeting of the UCAMP Policy Working Group held on February 19th, 2007. Agenda items included:

- Review of the UCAMP development.
- Review and finalization of UCAMP Letter of Understanding.
- Review of PWG and TWG Terms of Reference.
- Overview of 2007/08 projects and activities.
- Update on the 2007/08 AAROM funding and identification of funding priorities.
- Coordinated, inter-tribal review mechanism: EA reviews; Water Use Planning options were reviewed.

Unfortunately, not all of the parties were present at the February 19th meeting, so the parties present reviewed and discussed the items on the agenda, but final decisions by the Policy Working Group will not be forthcoming until the next Policy Working Group Meeting, to be scheduled in early 2007/08.

At the inaugural PWG meeting the members were updated on the formation and structure of the UCAMP. Members reviewed the Letter of Understanding and Terms of Reference for each of the working groups. 2007/08 priorities were deemed to be based on the current (2006/07) priorities with increasing activities in the area of stewardship in schools. The members also identified the need for a bulletin/ summary document to be completed by the Columbia Watershed Coordinator. This document will be sent out quarterly to apprise the UCAMP members of the current initiatives/issues in the Columbia Basin and coordinate First Nation activities and strategies. The members also supported an inter-tribal review protocol which will allow the Nations to coordinate and collaborate on their reviews of Water Use Planning and Environmental Assessment projects.

The UCAMP Technical Working Group met once this quarter, on March 27th in Spokane, WA the day before the Salmon Feasibility Workshop. Agenda items included:

- UCAMP TWG Preparation for the Salmon Feasibility Workshop
- Notification of the Pacific Salmon Treaty Workshop to be hosted by the Okanagan Nation Alliance March 19, 2007.
- Coordination of aquatic and fisheries reviews (Revelstoke 5, Waneta projects, and WUP project Terms of Reference).

- First Nations participation in the BC Hydro Water Use Planning projects.
- Transboundary Coordination review of current initiatives.
- Preparation of the 2007/2008 UCAMP budget and workplan.

Bruce McDonald and Brian Ferguson, DFO Fisheries Biologists based in Nelson, attended the meeting on March 27th to update the UCAMP TWG on their participation in the UCAMP TWG. Bruce is expecting to have an official response regarding participation in the UCAMP in the near future. DFO attended the UCAMP TWG on an informal basis to discuss and coordinate on specific issues and/or initiatives. Participation by Barry Huber, AAROM Coordinator for the BC Interior Area, was not confirmed.

BC Hydro's Water Use Plans in the Columbia Basin specifically outline a number of aquatic and terrestrial assessment, monitoring and physical works projects over the next ten years; some are annual, some are periodical and some are one-time projects. Over the next 10 -15 years there will be a combination of over 100 projects with a total value estimated at \$150-million with a significant number starting in 2007. This could create a huge potential opportunity for Columbia Basin First Nation communities to either bid on or be awarded a significant proportion of the works if they possess the specific expertise and capacity required to undertake the projects. (Appendix 8).

Due to the complexity of implementing such a large number of projects on an annual basis over such a large geographic area and with the speed at which the implementation plans are rolling out, BC Hydro needs to continue working with First Nations to improve communication and coordination on its Water Licence Requirements, to provide resources for coordination and technical capacity development, and to continue to work with First Nations to develop a broader government-to-corporate relationship that is respectful and meaningful.

In the short term, the UCAMP Technical Working Group will endeavour to communicate and develop its own internal collaborative approach to the UCAMP review of the BC Hydro Columbia Basin facilities Orders and Terms of Reference for the fisheries and aquatic projects requiring requests for proposals. Because the UCAMP is only designed to deal with technical fisheries and aquatic management issues, BC Hydro will need to maintain overall communication and coordination with each of the Nations individually on non-technical issues and on issues related to the Water Use Requirements of its Columbia hydro-facilities, which includes the Orders for each of the facilities and all of the associated aquatic, terrestrial and physical works projects.

A collaborative proposal effort between CCRIFC and the ONAFD resulted in the successful award of WHMON #4 & #5 to the organizations. The Lower Cranberry Creek Temperature Monitoring will be administered by CCRIFC and the Lower Cranberry Creek Rainbow Trout Biology/Abundance Monitoring project will be administered by the ONAFD with technical support from both organizations.

UCAMP Tribal Steering Committee

This quarter, the UCAMP TWG also established a UCAMP tribal steering committee consisting of one representative each from the Ktunaxa Nation Council, the Okanagan Nation Alliance and the Shuswap Nation Tribal Council. The steering committee is responsible for coordination of the Policy Working Group and the TWG, for preparation of draft workplans and budgets, for the preparation of reports to Nation governance and operational entities and funders, and for UCAMP administrative procedures. During this quarter, the Tribal Steering Committee met by teleconference on January 8, March 16th and March 21st.

Deana Machin, member of the UCAMP TWG, Tribal Steering Committee and administrator of the UCAMP AAROM agreement with DFO, participated in teleconference calls on Feb 14th & 21st with a National AAROM Joint Technical Working Group. The purpose of the National working group is to oversee the development of a Joint AAROM Evaluation Framework to guide future reporting and evaluation needs of the AAROM groups in support of the AAROM Results-Based Management and Accountability Framework (RMAF) and planned Formative and Summative Evaluations. There was National AAROM JTWG workshop on March 1 and 2nd in Ottawa that UCAMP representatives were unable to attend due to a scheduling conflict with the UCAMP Salmon Restoration Feasibility Workshop on Feb 28th and March 1st.

AAROM CATEGORY III - STEWARDSHIP AND COLLABORATIVE MANAGEMENT

As reported above, the UCAMP TWG agreed to work together to develop a coordinated approach to First Nation review of BC Hydro's forthcoming Water Licence Requirements fisheries and aquatics monitoring studies planned for Columbia River hydro facilities. The UCAMP TWG also continued to monitor the progress on the *Upper Columbia Salmon Restoration Feasibility, Impacts and Benefits Assessment* contracted to ESSA Technologies Ltd.

Salmon Restoration Feasibility

As the lead for this activity, the CCRIFC Executive Director began scoping a phased workplan and project budget for a comprehensive assessment of the feasibility, impacts and benefits of restoring anadromous salmon populations to the Canadian portion of the Columbia River Basin. CCRIFC has entered into a contract with ESSA Technologies to undertake the *Upper Columbia Salmon Restoration Feasibility, Impacts and Benefits Assessment*. The work is being performed under the guidance and review of a UCAMP project steering committee and the project Terms of Reference (ToR).

Subsequent to the *Upper Columbia Salmon Restoration Scoping Document* (ESSA Technologies, November 2006) (Appendix 1), an *Upper Columbia Salmon Restoration Feasibility Impacts and Benefits Assessment Workshop* was held on February 28 and March 1st, 2007 in Spokane Washington. The workshop included attendance by representatives from: DFO, Teck-Cominco, US Fish & Wildlife, CRITFC, Colville Confederated Tribes, BC Ministry of Environment, Chief Joseph Dam, BC Hydro,

NWPCC, Columbia Basin Trust, Columbia Power Corporation, Fish Passage Center, Upper Columbia United Tribes, Spokane Tribe, NOAA, Bonneville Power Administration, CCRIFC and the Okanagan Nation Alliance.

Workshop objectives included: [1] Review/refine the feasibility, impacts, and benefit issues identified in the scoping document; [2] Clarify the critical uncertainties/outstanding issues related to making a decision about restoring salmon passage; [3] Discuss the studies necessary to resolve critical uncertainties required to support a decision regarding restoration of upper Columbia River salmon populations; [4] Propose a framework for gathering information and making decisions about restoring salmon passage to the upper Columbia River. Four sub-groups were created to deal with the Biological-ecological, Engineering flow-management, Social, and Legal-policy-regulatory aspects of the feasibility, issues and benefits proposed in the scoping document.

ESSA Technologies has delivered their final report titled: *Scoping Document to Assess the Feasibility, Impacts, and Benefits (FIBs) of Restoring Anadromous Salmon to the Canadian Reaches of the Upper Columbia River (April 12, 2007)*. This report represents the initial stage in developing a common understanding of the feasibility, impacts, and benefits (FIBs) associated with restoring Pacific salmon to the Canadian reaches of the Columbia River. This report was completed with a literature review, interviews with people who have a deep understanding of relevant issues, a compilation of this information into a draft report, a 2-day workshop in Spokane attended by over 40 participants, and a post-workshop synthesis (Appendix 1).

CCRIFC Aquatic Stewardship Advisor

During this reporting period, CCRIFC was able to retain two core staff positions that will work to support the UCAMP habitat and stewardship goals.

The CCRIFC Aquatic Stewardship Advisor provides technical and organizational assistance to community groups and individuals interested in protecting and restoring aquatic ecosystems within the Columbia Basin. The Stewardship Advisor is responsible for providing stewardship advisory and support services in the East and West Kootenay (Columbia and Kootenay watersheds) to increase community based habitat protection and conservation. This position is supported with partial funding from the Columbia Basin Trust and through UCAMP with funding from the DFO Aboriginal Aquatic Resources and Oceans Management program. Please see the attached Aquatic Stewardship Advisor activities report for the period of November 1 – February 28, 2007 (Appendix 2).

CCRIFC Stewardship Technician

The CCRIFC Stewardship Technician supports the UCAMP's efforts to support community-based fish and aquatic ecosystem stewardship and restoration in the Columbia-Kootenay region (Canadian Columbia River basin). Under the supervision of CCRIFC's 'Aquatic Stewardship Advisor', the Stewardship Technician undertakes and participates in fish habitat and population assessment and inventory projects, assists in

the preparation and review of assessment and inventory reports, reviews and provides comments on reports regarding projects with the potential to affect fish or fish habitat, participates in First Nations community meetings dealing with fish and aquatic ecosystems and presents reports on completed or in-progress projects to First Nations and non-native community meetings. Please see the attached Stewardship Technician activities report for the period of January 8 – March 31, 2007 (Appendix 3).

ONA Aquatic Habitat Biologist

The Okanagan Nation Alliance Aquatic Habitat Biologist, Heidi McGregor, started full-time in September, 2006. The function of the position is to assist in building the professional capacity of the Okanagan Nation Alliance and member Bands in the Columbia Basin, and the duties include: communication and coordination with governments, non-government and First Nations organizations in the Columbia Basin that have interests and responsibilities in fisheries and/or aquatic habitats; research and review of technical project reports as they pertain to aquatic resource protection, review of environmental assessment projects and other development projects, and proposal development for stewardship and habitat restoration initiatives and for BC Hydro WUP Monitoring and Evaluation projects. Please see the attached ONA Aquatic Habitat Biologist activities report for the period of January 1 – March 31, 2007 (Appendix 4).

Columbia Basin Watershed Coordinator

Due to the complexity of the job description and the skill set required of this position, and also the influx of fisheries capacity and management funds to First Nations groups across the province, the ONA was forced to keep the job competition open for much longer than was originally scheduled. In order to meet the deliverables of the position by the end of the fiscal year and to seek the most qualified applicant for the position, the Okanagan Nation made the decision to hire full-time one individual (Sunny LeBourdais) as the Columbia Basin Watershed Coordinator and to contract with a second individual (Myrah Baptiste) part-time for a 5-month period to complete a specific set of deliverables related to the assessment and research of the salmon management portion of the overall workplan.

The Columbia Watershed Coordinator, Sunny LeBourdais started full-time in December 2006. The function of this position is to assist in the communication and coordination of aquatic management issues within the Columbia Basin and to develop collaboration mechanisms among Nations, Tribes and Governments agencies. Duties included in this position include: research and analysis of relevant policies, legislation, and initiatives in the Columbia Basin to develop strategic approaches to address First Nations issues; coordination with the UCAMP TWG and PWG members; communication of First Nation fisheries and habitat interests to outside groups/agencies; development of Transboundary communication and collaboration with regards to Columbia Basin fisheries issues; and coordination of collaborative fisheries/aquatic habitat project partnerships. Please see the attached ONA Columbia Watershed Coordinator quarterly report for the period of January 1 – March 31, 2007 (Appendix 5).

One of the Watershed Coordinator's main activities was the creation of a scoping document which provides a summary of current programs, treaties, policies, plans and groups involved in the management of the Upper Columbia River in both Canada and the United States. The document summarizes: the current mandate/mission statement of each of the groups / agencies / programs / treaties; their background and history; members and/or representatives; meeting schedules; and current First Nations involvement/participation. The draft Upper Columbia Scoping Volumes 1, and 2 are attached (Appendix 6).

Myrah Baptiste started on a contract basis in December 2006 in order to further address policy and legislative issues regarding the Canadian Columbia Basin salmon stocks, of which remaining are Okanagan River sockeye and chinook. As a member of the Okanagan Nation and with a background in law, Myrah has been directed by the Okanagan Nation Alliance Chiefs Executive Council to develop a management framework which reflects the Okanagan Nation goals and objectives for salmon management in the Okanagan Basin. To accomplish this, the Myrah will deliver the review and analysis of policies and legislation (e.g. Fisheries Act, Pacific Salmon Treaty, Wild Salmon Policy etc.) and to identify and research the potential scope of issues that have bearing on Okanagan Nation fisheries and salmon management. Activities in this quarter included:

- Review and assessment of legal and policy documents related to domestic and international Okanagan Basin salmon management (i.e. Pacific Salmon Treaty, Fisheries Act, DFO Wild Salmon Policy, and Species at Risk Act).
- Review and assess the draft documents proposing the creation of a new BC First Nations fisheries organization. The first white paper proposed the creation of a *BC Aboriginal Fisheries Alliance* and the second white paper called for the creation of a *First Nation Fisheries Action Plan*
- Observe two days of the Pacific Salmon Commission meetings in Portland, Oregon on February 11 and 12, 2007. During the course of the two days, met with Tribal fisheries managers and biologists from Washington and British Columbia. Met with Jim Heffernan, former policy advisor to the US Columbia River Inter-Tribal Fisheries Commission, to coordinate and organize information for the upcoming March 19 and 20, 2007 *Pacific Salmon Treaty Workshop* to be hosted by the ONA
- Coordinate a *Pacific Salmon Treaty Workshop* to review current information on the Pacific Salmon Treaty, the Commission and its processes. Day 1 of the workshop was open to all Nations, Bands and First Nation organizations in BC. Day 2 of the workshop was open to members of the Okanagan Nation in order to gather Okanagan Nation input related to the development of Okanagan Nation Salmon management framework

Please see the attached summary of the Pacific Salmon Treaty Workshop for further detail (Appendix 6).

Okanagan Nation Participation and Collaboration in Thompson and Fraser Basin Fisheries Management Activities

Extending back to the summer of 2005, the Okanagan Nation Alliance has had many discussions with DFO's Pacific Region AAROM and BC Interior Area staff about the Okanagan Nation's aboriginal title and rights interests in the Thompson Basin. We continue to maintain an active FSC fishery in the area and perform fisheries management activities through our stock assessment program in the watershed (we note that these activities are somewhat limited by our on-going capacity needs to engage more effectively in the area). Because the Thompson River is the largest tributary to the Fraser River and Thompson stocks are a component of larger aggregate stocks in the Fraser, our communities are likely to be affected by broader fish management decisions within the Fraser and Thompson drainages. The Okanagan Nation requires the capacity to be engaged in any AAROM groups that are being developed in areas that are inclusive of the Thompson Basin.

After much discussion and many negotiations, the Okanagan Nation Alliance was allocated a small amount of funds by the DFO AAROM program to engage in Thompson-Fraser fisheries management, and these funds were included as an additional item to the UCAMP collaborative management agreement, which the ONA administers on behalf of the UCAMP members.

ONA Thomson-Fraser activities during this quarter included:

- Member of the Fraser Basin Council's (FBC) Fraser Salmon and Watershed Program Technical Advisory Committee. The purpose of the advisory committee is to review proposals submitted to the FBC Fraser Basin Initiative for 2007/08 funding.
- Attended Fraser River Aboriginal Fisheries Secretariat (FRAFS) Tier 1 and 2 meetings in Kamloops, BC, on February 7, 8 and March 8th, 2007.
- Attended the First Nation Fisheries Forum, hosted by the BC First Nations Leadership Council on March 6, 2007 in Vancouver. Purpose of the meeting was to discuss the proposed formation of a new BC wide First Nation fisheries organization.
- Attended Fraser River Visions Conference on March 28 and 29th in Prince George, BC
- Developed a proposal to the Fraser Basin Council Fraser Basin Initiative. This intertribal proposal (ONA, Secwepemc Fisheries Commission (SFC), Northern Shuswap Tribal Council and Nicola Watershed Stewardship and Fisheries Authority (NWSFA)) coordinated by the ONA and with scientific support from DFO, proposed to investigate the *Groundwater Habitat Interactions for Interior Fraser Coho*
- In collaboration with DFO, the Shuswap River Hatchery, the ONA and the Okanagan Indian Band coordinated the release of 74,000 chinook fry upstream of Wilsey Dam (BC Hydro operated facility) to call attention to the lack of adult fish passage provisions at the Dam.
- Communication and coordination with Murray Ross, SFC and Neil Todd, NWSFA to initiate discussion on potential inter-tribal fisheries coordination in the Thompson Basin. Additional meetings are planned for 2007/08 to further scope the potential areas/issues for collaboration.

The other major activity during this quarter was for the Okanagan Nation Alliance Fisheries Department and the Okanagan Indian Band to identify priority areas and develop an implementation plan for the effective involvement of the Okanagan Nation in fisheries and habitat management in the Thompson Basin. During the next quarter, the ONAFD will seek input from the Upper Nicola Indian Band and the other member Bands of the Okanagan Nation to include in the development of the implementation plan. Because this activity falls outside the purview of the Upper Columbia Aquatic Management Partnership, this report will be submitted under separate cover.

In 2006/07, the funds provided by the DFO AAROM program did not meet the full scope of the Okanagan Nation's stated goals and objectives of engagement in fisheries management activities in the Thompson-Fraser Basin. In 2007/08, the ONA will be meeting with DFO to negotiate an adequate amount of funding for full and effective engagement of the Okanagan Nation in Thompson-Fraser fisheries management.

Appendix 1

**PROJECT UPDATE: UPPER COLUMBIA SALMON RESTORATION FEASIBILITY, IMPACTS
AND BENEFITS ASSESSMENT**

**SCOPING DOCUMENT TO ASSESS THE FEASIBILITY, IMPACTS, AND BENEFITS (FIBs)
OF RESTORING ANADROMOUS SALMON TO THE CANADIAN REACHES
OF THE UPPER COLUMBIA RIVER**

ESSA TECHNOLOGIES LTD. - APRIL 2007

Appendix 2

CCRIFC AQUATIC STEWARDSHIP ADVISOR ACTIVITIES REPORT NOVEMBER 1 – FEBRUARY 28, 2007

**Columbia-Kootenay Fisheries Renewal Partnership
Environmental Stewardship Advisor Program**

**ACTIVITY REPORT: NOVEMBER 01 – FEBRUARY 28 2006
ABORIGINAL AQUATIC RESOURCES AND OCEAN MANAGEMENT PROGRAM, FISHERIES AND OCEANS CANADA & COLUMBIA BASIN TRUST**

PROJECT SUMMARY

The goal of the Community Environmental Stewardship Support Program is to increase the capacity of individuals and groups to understand, protect and restore aquatic ecosystems within the Columbia Basin.

Objective 1:

Provide initial and (in limited circumstances) ongoing professional technical assistance regarding aquatic ecosystem stewardship, conservation and restoration in response to requests from existing and developing community groups.

Workplan:

- Provide initial assistance, as requested, by developing community groups.
- Continue providing assistance to those community groups with which there is an existing relationship and/or project

Measure	Target	Results 4th Quarter	Time (days)	Description/comments	Year to date Results	Year to date Days
1. groups assisted (#)						
new/developing	6	0	0		7	29

<u>Measure</u>	<u>Target</u>	<u>Results</u> <u>4th Quarter</u>	<u>Time</u> <u>(days)</u>	<u>Description/comments</u>	<u>Year to</u> <u>date</u> <u>Results</u>	<u>Year to</u> <u>date</u> <u>Days</u>
existing/ongoing	6	9	26		9	70
9	12	9	26		16	98
		<u>New/developing</u>				
		<u>Existing</u>				
		Friends of Lower Joseph Creek (St. Eugene Mission Resort)	1	Assist group with water quality monitoring on Joseph Creek through invertebrate identification.		
		Joseph Creek Community Action Team	1	Look into streamside snow plowing		
		* Codie Ranch	4	Assist with developing erosion protection plans		
		Goat River Residents Association	4	Assist group with conservation concerns e.g. fish salvage. Assist with structure monitoring/future plans		
		Hawkins Creek Stewardship	3	Assist with coordinating and		

<u>Measure</u>	<u>Target</u>	<u>Results</u> 4th Quarter	<u>Time</u> (days)	<u>Description/comments</u>	<u>Year to</u> <u>date</u> <u>Results</u>	<u>Year to</u> <u>date</u> <u>Days</u>
		Committee	4	implementing restoration plans and developing WCT sampling.		
		Salmo River Protection Committee	2	Assist with stewardship/clean up of tailing wastes and access concerns		
		Joseph Creek Community Action Team	3	Assist with, structure monitoring and fish use observations.		
		Slocan Streamkeepers	1	.Assist with developing fish restoration plans.		
		East Kootenay Lake Management Partnership	4	Review DRAFT management plan and provide comments.		
		Cottonwood Creek Restoration Committee		Review and assist with CPR site restoration plans.		
2. time spent assisting groups (# of days)	5 days per group	26 0	26	Average 2.88 days per group	Average 3.8 days group	99

<u>Measure</u>	<u>Target</u>	<u>Results</u> <u>4th Quarter</u>	<u>Time</u> <u>(days)</u>	<u>Description/comments</u>	<u>Year to</u> <u>date</u> <u>Results</u>	<u>Year to</u> <u>date</u> <u>Days</u>
new/developing existing/ongoing		26				
3. specific sector/interest served (# of requests) - agriculture - urban/residential - forestry - mining	n/a		4 1 0 4 2	Petrak property (Joseph Creek –assist with stream crossing designs) Salmo residents re: Linus Road river access Conduct pre-mine development fish population assessment with Montana Fish and Wildlife and North West Partners for Conservation on Flathead River Assist CCRFIC with UCWSRI Angler outreach - white sturgeon		

<u>Measure</u>	<u>Target</u>	<u>Results</u> <u>4th Quarter</u>	<u>Time</u> <u>(days)</u>	<u>Description/comments</u>	<u>Year to</u> <u>date</u> <u>Results</u>	<u>Year to</u> <u>date</u> <u>Days</u>
- species at risk			3	Assist Akisqnuk Band with Tatley Creek issues		
- First Nations			1	Reserve Creek restoration options for Tobacco Plains Indian Band		
			3	Begin looking into upper Kootenay River Burbot status and population assessment plans for restoration for Tobacco Plains Indian Band and St. Mary's Indian Band		
-Other			4	Assist Lower Kootenay Indian Band and CCRIFC with plans for Kootenay River sturgeon habitat inventory.		
			0			

Objective 2:

Support the sharing of 'best practices' and related information about aquatic ecosystem stewardship, conservation and restoration among Columbia Basin community groups.

Workplan:

- Identify groups interested in participating in or wanting BMP information
- Facilitate meetings for best management practices regarding those groups' issues.
- Distribute BMP information to groups.
- Coordinate aquatic stewardship, conservation and restoration workshops.
- Assist with requests from different community interest groups (such as, but not limited to):
 - Community groups
 - First Nations
 - Local/regional government(s)
 - Developers/industry

<u>Measure</u>	<u>Results 4th Quarter</u>	<u>Results 4th Quarter Time (days)</u>	<u>Groups/description</u>	<u>Year to date Results</u>	<u>Year to date (Time) Days</u>
1. volume of requests (#/category)	2	2.5		12	9
- community groups	0				
- First Nations	0				
- local/regional governments	1	2	Research and provide storm drain sediment filtration information for City of Nelson		
- developers/industry	5	.5	Nelson Toyota-storm water and snow plow maintenance.		
2. type of assistance provided (#/category)	0	0		30	31
- consultations	5	2.5		n/a	n/a
- documents	4	0		29	33
- meetings	1	0		3	4
- workshops/training (e.g. municipal public works staff)					

Objective 3:

Assist Basin community groups to develop ecologically- and technically-sound plans for aquatic habitat restoration, research, monitoring and assessment, education and stewardship initiatives.

Workplan:

- As requested, by different types of project focus:
 - Conservation/restoration
 - Research, monitoring and assessment
 - Education and stewardship

<u>Measure</u>	<u>Target</u>	<u>Results</u> <u>4th</u> <u>Quarter</u>	<u>Results</u> <u>4th</u> <u>Quarter</u> <u>Time</u> <u>(days)</u>	<u>Description/comments</u>	<u>Year to</u> <u>date</u> <u>Results</u>	<u>Year</u> <u>to</u> <u>date</u> <u>(Time)</u> <u>Days</u>
1. assistance for plans developed (#/category)	10 (total)	Actuals:			32	76
-conservation/restoration		3	3	Assist GRR/LKIB with developing new restoration plans-Hoover's Corner.		
-research, monitoring and assessment (e.g. monitoring of CBT funded habitat restoration works)		2	2	Assist Salmo River Protection Committee with completing repair works		
- education and stewardship			1	Assist HCSC with project layout for WCT genetics sampling		
			1	Assist NDRGC with planning		

<u>Measure</u>	<u>Target</u>	<u>Results</u> 4th Quarter	<u>Results</u> 4th Quarter Time (days)	<u>Description/comments</u>	<u>Year to</u> <u>date</u> <u>Results</u>	<u>Year</u> <u>to</u> <u>date</u> <u>(Time)</u> <u>Days</u>
				for riparian restoration at CPR site		
2. ancillary documents produced/distributed (#/category) -conservation/restoration - research, monitoring and assessment - education and stewardship	n/a 1		4	Upper Flathead River Indigenous Fish Population Assessment	4	14

Objective 4:
Promote aquatic environmental stewardship, and particularly habitat protection and stewardship, throughout the Basin.

Workplan:

- Promotion, by means of the following:
 - Develop presentation of aquatic stewardship practices for municipalities (Cranbrook, Nelson).
 - School presentations (Creston, Cranbrook, Elk Valley)
 - Submit press/articles on local and regional stewardship initiatives
 - Landowner contact (Cottonwood Creek, Joseph Creek, Elk River)

<u>Measure</u>	<u>Target</u>	<u>Results</u> <u>4th</u> <u>Quarter</u>	<u>Results</u> <u>4th</u> <u>Quarter</u> <u>or</u> <u>Time</u> <u>(days)</u>	<u>Description/comments</u>	<u>Year to</u> <u>date</u> <u>Results</u>	<u>Year to</u> <u>date</u> <u>(Time)</u> <u>Days</u>
1 promotion efforts (#/category) - Presentations - (workshops and/or school), and press/articles	6	1 1 total Creston Community Association	1 1	Presentation on Goat River fisheries restoration and erosion protection alternatives	14	16

Objective 5:
Assist community organizations to identify funding sources and secure funding from a variety of sources.

Workplan:

- Providing information regarding funding sources
- Assisting with proposal development (primarily review of work completed)

<u>Measure</u>	<u>Target</u>	<u>Results 4th Quarter</u>	<u>Year to date Results</u>
1. funding information provided (#/category) - direct response to requests - dispersal of information on new funding sources	n/a	10-various, CBT, Y2Y, Groundwater Protection	13
2. assistance for proposals developed (#/category) - CBT - non-CBT	10 (total)	12	28
3. types of proposals assisted (#/category) - agriculture - urban/residential - forestry - mining - species at risk - First Nations - other - (Indigenous fish conservation)	n/a	2 Y2Y, HSP 2 6 0 0 1 3 (First Nations) East Kootenay Wildlife Association Hawkins Creek Stewardship Committee	7 7 1 0 2 5 2

Objective 6:

Foster a collaborative approach between proponents, communities and the regulatory agencies.

Workplan:

- Support the development of collaborative stewardship processes (Hawkins Creek, Sand Creek, Goat River, Joseph Creek, Lake Windermere)
- Initiate collaboration amongst stewardship groups (broader scale)

<u>Measure</u>	<u>Target</u>	<u>Results 4th Quarter</u>	<u>Results 4th Quarter Time (days)</u>	<u>Year to date Results</u>	<u>Year to date (Time) Days</u>
1. collaborative processes supported (#/category) - project specific - broader scale	2 (total) 6 1	3 East Kootenay Regional Quality Waters Flathead River Native Fish Population Assessment (CKFRP, CCRIFC, Montana Fish and Wildlife Dept) Hawkins Creek CRMP	4.5 2 2 .5	9	53.5

** Supported by other funding

Analysis of Progress to Date

The Stewardship Advisor (SA) has met or exceeded targets for most objectives set for the year. An approximate total of 282 person days were provided for aquatic stewardship support for 2006-2007

It should be noted that eventually the number of 'new' groups in the basin will subside as more outreach and support has been provided. Population of the Basin also dictates this.

Existing groups clearly are comfortable contacting the SA for assistance and as noted in recommendations, guidelines to limit dependency may be required to free up time to support for new groups.

There seems to be a need to identify how to support First Nations communities, as this objective continues to be difficult to achieve. The SA has contacted resident First Nations communities to ensure they are aware of opportunities to work with him on aquatic stewardship projects. Local FN have informed the CKFRP that they have plans to work with the CKFRP in an increased capacity for 2007-2008.

Recommendations for Future Direction

It is my suggestion after being in this position for almost 7 years that CBT and CKFRP adopt a policy for the amount of assistance given to new groups undertaking restoration projects. E.g. the SA provides direct project coordination support/assistance for no longer than one year. This will help to diminish the reliance on the SA by certain groups for ongoing projects and will assist in furthering a group's capacity/ability to undertake projects. Certain groups have relied heavily on the CKFRP for most of their project undertakings and this diminishes the time available to other groups.

Working with groups to identify a broad range of funding opportunities would be beneficial – as groups become dependent on CBT for funding, as well as on the SA to assist in delivering projects. Developing a handbook/workshop on how to prepare proposals and who to apply to would benefit many groups.

Funding for wages for community groups should have a cap. Community groups should be encouraged to work with other members of their community rather than within their own staff/membership. There have been limited instances where community groups are trying to take on the larger 'glory' projects where smaller, easier and more cost effective opportunities exist. To this end the CBT may want to look at imposing a size restriction on some of the in-stream related projects where limited or no technical/biological professional/qualified support exists within that group. In some instances it seems that the EIP funding has become a means

financial support for those who have endeavoured to make a career from 'professional' volunteerism. CBT should also support a clear mechanism that supports

CBT should adopt a policy to have environmental audits completed for those groups that are the proponents of a restoration project and have no qualified environmental professional staff. I have seen examples where potential detrimental methods are being utilized in restoration related work e.g. utilizing invasive non-native plant species assuming that they were indigenous species. Activities such as this could be disastrous to the environment

CBT should also entertain a policy for multi-year on going projects where there has been substantial CBT support. This will free up funds for other small groups or individuals.

Appendix 3

CCRIFC STEWARDSHIP TECHNICIAN ACTIVITIES REPORT JANUARY 8 – MARCH 31, 2007

**Quarterly Report for the
CCRIFC Stewardship Technician:
January 8 to March 30, 2007**

Prepared for
Fisheries and Oceans Canada

Prepared by
Jim Clarricoates

1.0 Fish Habitat Assessments, Population Assessments, and Inventory Projects

1.1 Goat River Structure Integrity Monitoring

On January 26th of this year I visually monitored the structures of the Goat River located approximately 1 kilometre up-stream of the Highway 21 Bridge, adjacent to Roger Chadwick's property. I assessed the structures for buoyant logs, loose cables, and general shifting within the structure. I report that there are no significant concerns with the structures. The purpose for the timing of the structure monitoring stems from last years ice load that flushed downstream during this time period. I decided that it would be prudent to assess the ice-pack levels as well as monitor the structures. This year there was no ice 'build-up' concerns.

1.2 Angler Outreach – Upper Columbia White Sturgeon Recovery Initiative

Due to extraordinarily cold weather during the Months of December and January, our Sturgeon Outreach technician was unable to conduct his outreach. To catch up on the time missed during these couple of months, I assisted the Sturgeon Outreach Technician on several weekends during February.

1.3 Kokanee Sustenance Harvest Proposal

I have spent four (4) days so far on developing a proposal for the Columbia Basin Trust community initiatives fund. A budget has been developed, however we have not decided on candidate stream to harvest from. I will need approximately 3 more days to review candidate streams, and investigate strong Kokanee runs.

2.0 Preparation and Review of Assessment and Inventory Reports

2.1 FDIS Submission for the Flathead Native Fish Population Assessment

I prepared and submitted the Fish Data collected from the Flathead Native Fish Population Assessment project to the MoE Database. Many of the tributary streams have Westslope Cutthroat present, as well as Bull Trout and Sculpins. This task had been delayed due to the misplacement of CKFRP's FDIS agency code. We were issued a new code and our report was submitted without further delay.

3.0 Project Referrals, and Report Reviews

3.1 Feasibility, Impacts, and Benefits Report Review

I reviewed UCAMP's Feasibility, Impacts and Benefits of the Restoration of Anadromous Salmon that was prepared by ESSA Technology Ltd. The document outlines a list of uncertainties that need to be answered before any more planning toward Salmon restoration can proceed. Some uncertainties are; if salmon are able to access upper river habitats will they continue to spawning locations or will the "key" into factors that remain downstream of Grand Coulee,

and will juvenile out-migrants be able to traverse the enormous expanse known as Lake Roosevelt and other reservoirs.

4.0 Community Meetings

4.1 CCRIFC Board

I attended a meeting in Spokane, WA. We met with the US CRITFC to update each other on the respective fisheries programs, and to discuss the Workshop regarding the Feasibility, Impacts, and Benefits of the restoration of anadromous Salmon to the Upper Columbia River.

4.2 EKILMP

I attend the meeting on February 6th at the Regional District of East Kootenays office in Cranbrook. We presented our topic of discussion from the Urban Systems report "Lake Management Strategy", and I requested that a Stewardship Sub-committee be formed, which everyone agreed to form. Another task that I was given was to coordinate funds for EKILMP through CCRIFC.

4.3 Upper Columbia Aquatic Management Partnership – TWG

This meeting took place on February 27th in Spokane, WA., to prepare for the Salmon Restoration Workshop, the following two (2) days. The general feel of the workshop was that the many stakeholders are willing to continue the exploration of restoring Salmon to the Upper Columbia. We also held a teleconference on the 16th of February

4.4 Upper Columbia White Sturgeon Recovery Initiative – CWG

This meeting was held in Castlegar on March 15th. We discussed the upcoming year's project/events and reported on on-going projects.

4.5 Pacific Salmon Treaty Workshop

I attended a workshop hosted by the Okanagan Nation Alliance – Fisheries Department on the Pacific Salmon Treaty and its significance to First Nations.

4.6 St. Mary's Band Administration

I allotted eight (8) days to assist the Community Governance Co-Coordinator to develop an educational project regarding the Upper Columbia White Sturgeon Recovery Initiative. The project entails the delivery of the Recovery Initiative power point presentation to Elementary School aged children, and to have them take part in the Annual Sturgeon release in Castlegar and Trail, and to encourage the celebration of the release with a Pow-Wow. This is a unique opportunity for a multi-cultural celebration to encourage the spirit of Community. This project is being streamlined to include participation of all the Ktunaxa communities.

5.0 Community Reporting

5.1 Akisqnuk Chief and Council

On January 9, I updated the Chief and Council on the proceedings of the East Kootenay Integrated Lake Management Partnership, and also to seek approval and support to pursue the option of developing a Stewardship Sub-committee for the EKILMP.

5.2 Shuswap Chief and Council

During this reporting period we have set numerous meetings with the Shuswap Chief and Council, however due to unfortunate circumstances we have not met with them. The meeting was in regards to the Shuswap Creek overview assessment, and possible participation on the EKILMP.

Appendix 4

ONA AQUATIC HABITAT BIOLOGIST ACTIVITIES REPORT JANUARY 1 – MARCH 31ST, 2007

Heidi McGregor M.Sc.
ONA Columbia Basin Aquatic Habitat Biologist

Quarterly Report
January to March 2007

UCAMP goals: To conserve, restore and enhance healthy aquatic ecosystems, wild indigenous fish communities, and aboriginal fisheries in the Columbia Basin.

This will be achieved by:

- Developing capacity and becoming actively involved in managing fisheries and aquatic ecosystem management in the Columbia Basin

Aquatic Habitat Biologist activities fulfilling this goal:

1. Participating in a coordinated approach to habitat stewardship in the Columbia Basin

Participation in the Canadian Columbia River Forum (CCRF) working group

The purpose of the group is to provide an information sharing forum in which the participants can collaborate on initiatives and processes that affect the Canadian portion of the Columbia River Basin. This Forum provides an avenue to express ONA views on aquatic project planning and direction and to bring ONA Columbia Basin aquatic issues to Federal, Provincial, Municipal, and other First Nations Governments.

Current initiatives:

- Participation in the planning of the Canadian Columbia River Forum in May, 2007.
- Participation in selecting and defining scope of CCRF upcoming project goals.

The Forum goals include the creation of a Canadian Agency Table for discussing issues currently happening in the Basin, the coordination of a Bi-Annual US Canada Columbia River Basin Workshop, compilation of Columbia River Treaty issues on transboundary water management in the Columbia River Basin, and a study of climate change and its impact on the water resources. The creation of the Columbia Basin Center of Knowledge through joint contribution of resources by all participants is another benefit of this Forum.

Participation in the Columbia River Integrated Environmental Monitoring Program

The participation in this group enables the ONA to gain access to historical monitoring work completed in the Columbia Basin. It also provides an opportunity for sharing ideas and joining in inter-agency monitoring in the Basin.

Current Initiatives:

- The group collaborates on water quality and aquatic habitat initiatives and monitoring. The ONA has become a participant in the collaboration of water quality and aquatic habitat studies in the Columbia Basin.

Participation in the White Sturgeon Recovery Group

This is an information-sharing forum to network on white sturgeon studies and propose future monitoring activities. This group provides an avenue for ONA to get involved in sturgeon work in the Basin.

Current Initiatives:

- ONA participation provides a method to learn and participate in the National Recovery Planning Process, findings from the recruitment failure hypothesis workshop, current recovery initiatives of Kootenay River white sturgeon, and community outreach events such as the juvenile release.

Review of Arrow Lakes Fertilization Monitoring

The Arrow Lakes Fertilization program is under review by DFO. There is a possibility that DFO will amend the Columbia Power Corporation's (CPC) authorization for the Arrow Lakes Generating Station (ALGS) fish compensation requirements in 2007. This will include a long-term funding arrangement for Arrow Lakes fertilization. The decision is based on the success of the fertilization program as outlined in the Arrow Lakes Reservoir Fertilization Experiment Summary Report - 1999 to 2004 (CPC).

Current Initiatives:

- A thorough review of the Arrow Lakes Reservoir Fertilization Experiment Summary Report - 1999 to 2004 (CPC) was part of the first stage of ONA participation in the Arrow Lakes Fertilization Program.
- On-going correspondence with regional DFO staff on the program and possible ONA participation in the monitoring is in progress.

2. Monitoring and assessing fish and aquatic habitat issues in areas of the Columbia Basin

Participation in the Fisheries working group

The Fisheries working group consists of representatives from First Nations, DFO, and the MOE. The group formed to share information and views on upcoming development project's impacts on fisheries and aquatic habitat. Recent projects include: the Waneta Expansion Project, the Pre-Feasibility Assessment and Conceptual Design for Shallow Water Habitat Compensation related to the Waneta Expansion Project, and the reopening of the 7 Mile Water Use Plan.

Current Initiatives:

- Ongoing participation in discussions on the protection of white sturgeon through the Waneta Expansion Project Environmental Certificate Application Process

Correspondence with BC Hydro on ONA participation in Columbia River WUP monitoring and implementation

Current Initiatives:

- Reviewed Columbia River Water Use Plan Terms of Reference.

The release of the Water Use Plan Terms of Reference involved a review, formal submission of comments, and ongoing discussion on the ONA participation in the Columbia River projects.

- Ongoing fisheries monitoring research and project planning
- Planning and meeting with BC Hydro to confirm ONA participation in the Columbia River WUP projects
- Participation in planning and field component for the 7-Mile fisheries impact assessment monitoring and Walter Hardman rainbow trout monitoring

Correspondence with DFO on ONA participation in regional fisheries monitoring and research projects

Current Initiatives:

- On – going collaboration with DFO regional staff on ONA participation on current fisheries and aquatic habitat monitoring in the Columbia Basin
- ONA participation in field studies assessing impacts of dewatering in Arrow Lakes Reservoir on aquatic habitat is currently planned for late Spring

3. Reviewing and assessing relevant development plans to assess impacts to aquatic habitat and/or aquatic habitat and/or make recommendations for project improvements:

Waneta Expansion Project Corporation (WEPC) Environmental Assessment Certificate Application 2006

The participation in the Environmental Assessment Certificate Application (EACA) process for the WEP involved the identification of potential habitat impacts. It also provided an avenue to present suggestions on achieving additional aquatic protection. Formal comments were submitted to the EAO in the public comment period.

Ongoing action items:

- Participated in the Review Period Questions and Comments for the Pubic, First Nations and Agencies summary document for the Waneta Expansion Project
- Compiled ONA existing concerns with the Waneta Expansion Project impacts on aquatic habitat and fish populations and environmental reporting.

Participated in the Revelstoke Unit 5 Project Environmental Assessment Certificate Application (EACA)

The position was responsible for submitting formal reviews of Revelstoke 5 EACA proposed construction and operation plans.

Ongoing action items:

- Participated in all stages of the Environmental Assessment Certificate Application (EACA).
- Correspondence with BC Hydro to discuss the Environmental Assessment Office Revelstoke 5 project review.
- On-going submissions of existing ONA aquatic habitat and fisheries concerns to the Environmental Assessment Office.
- Commented on the proposed fisheries restoration projects affiliated with the Revelstoke 5 development works.
- Submitted comments to the EAO to ensure the project does not contribute to the reduction of fisheries abundance and aquatic habitat within the Columbia River.

Participation in the Glacier/ Howser Project Environmental Assessment Office Certificate Application

Ongoing action items:

- Correspondence with the Environmental Assessment Office to discuss Glacier/ Howser project Terms of Reference review.
- Submission of comments on the Glacier/ Howser project Terms of Reference
- Correspondence with the proponent and the local contractor on ONA participation in pre-application monitoring in the 2007 field season.

4. Identifying and assisting in development of potential habitat improvements:

Identification of shoreline development aquatic habitat concerns

Shoreline development has been identified as an increasing concern to aquatic habitat throughout the Columbia Basin. This issue was raised as a concern by shoreline communities and fisheries managers throughout the region. Research on project development to monitor the extent of the impacts and secure funding are underway.

Current Initiatives:

- Identified Aquatic Habitat Protection - Riparian Management as an important upcoming aquatic habitat issue.
- Participated in the Christina Lake Stewardship Society watershed monitoring plans and annual meeting

Hydroelectric impacts on fisheries and aquatic habitat

Current Initiatives:

- Met and collaborated with regional DFO staff to coordinate ONA participation in regional DFO monitoring and research projects

Review of Columbia River Water Use Plan (WUP) projects

Current Initiatives:

- Reviewed and prepared comments on the Columbia River WUP projects including:
 - CLBMON 15a - Middle Columbia River Physical Habitat Monitoring
 - CLBMON 15b - Middle Columbia River Ecological Productivity Monitoring
 - CLBMON 16 - Middle Columbia Fish Population Indexing Surveys
 - CLBMON 17 - Middle Columbia Juvenile Fish Habitat Use
 - CLBMON 18 - Middle Columbia Adult Fish Habitat Use
 - 7 Mile Project Water Use Plan (WUP)
 - CLBMON-33-1 - Arrow Lakes Reservoir Vegetation Inventory
 - CLBWORKS 23 - Kinbasket and Arrow Lakes Reservoirs Debris Removal Environmental Review
 - CLBMON 9 - Kinbasket Reservoir Inventory of Vegetation Resources
 - CLBMON 10 - Kinbasket Reservoir Inventory of Vegetation Resources
 - CLBMON 11 - Kinbasket and Arrow Lakes Reservoirs Effectiveness Monitoring of Revegetation and Wildlife Physical Works

5. Identifying and assisting in development of potential habitat stewardship projects

Columbia River Salmon Feasibility, Impacts, or Benefits Assessment

This position supported UCAMP members in planning for the salmon feasibility, impacts or benefits workshop in February 2007. Participation in this assessment is working towards the goal of restoring at-risk and extirpated populations and ecosystems to levels supporting aboriginal uses and ecosystems function.

- Reviewed historical monitoring plans and conducted research on prospective projects in the Arrow Lakes, Kootenay River, and Kootenay Lake area and tributaries including Arrow Lakes fertilization monitoring.
- Continued researching prospective project funding support through regional funding sources (Osprey Foundation, Columbia Basin Trust, Columbia Basin Fish and Wildlife Compensation Program, Eco-sense, Provincial, Federal youth and environmental funding)
- Met and collaborated with regional DFO staff to coordinate ONA participation in regional DFO monitoring and research projects within the Arrow Lakes Fertilization Monitoring and Assessment program

6. Working with CCRIFC Habitat Stewardship staff and Fisheries and to develop a coordinated annual work plan

Participation in the Upper Columbia Aquatic Management Partnership (UCAMP)

The UCAMP is the primary method of collaboration with First Nations to coordinate fisheries and aquatic management activities within the Columbia Basin. Quarterly meetings provide a venue to conduct project planning, funding source development, and to develop a collaborative management process for Columbia Basin fisheries and aquatic resources.

Current Initiatives:

- Preparing briefing notes and reporting to the ONA's Natural Resource Council (NRC) on activities and project development

The NRC provides an avenue to pass information on to Band members and receive feedback.

Collaboration with First Nations on aquatic habitat projects in the Columbia Basin.

Met and collaborated with the Secwepemc Fisheries Commission and CCRIFC representatives on fish abundance and aquatic habitat issues. This includes future participation in the Slocan River habitat restoration project in spring and summer 2007.

Appendix 5

UCAMP COLUMBIA WATERSHED COORDINATOR QUARTERLY REPORT JANUARY 1 – MARCH 31ST, 2007

UCAMP COLUMBIA WATERSHED COORDINATOR QUARTERLY REPORT
JANUARY 1 – MARCH 31ST, 2007

1. Research & Analysis

1.1. *Identify, review and provide analysis of relevant policies, legislation, and initiatives as directed that have bearing on aquatic management. Specific issues include the Columbia River Treaty, Canadian and US hydro-electric facility operations, hydro-electric mitigation programs, and Columbia River water and habitat management.*

- ✓ Created a scoping document which provides a summary of current programs, treaties, policies, plans and groups involved in the management of the Upper Columbia River in both Canada and the United States. The document summarizes: the current mandate/mission statement of each of the groups/agencies/programs/treaties; their background and history; members and/or representatives; meeting schedules; and current First Nations involvement/ participation.

1.2. *Develop strategic approaches that will address First Nations interests in complex fisheries and aquatic ecosystem management issues.*

- ✓ The scoping document suggests future directions and ideas to increase First Nations involvement in the aquatic & fisheries management in the Columbia watershed.
- ✓ The document will also be amended/updated quarterly with new information/programs and will continue to track and identify participation and growth.

1.3. *Review of relevant information related to on-going Aboriginal Title & Rights issues in British Columbia and Canada.*

1. Attended the Aboriginal Title & Rights conference hosted by Shuswap Nation Tribal Council in Kamloops, BC (Feb 1 & 2, 2007). Current and past case law regarding title and rights were reviewed and examples of cooperative agreements and negotiating strategies were shared. Package provided with notes and information from presenters: Kent McNeil of the Osgood Hall Law School, York University; Louise Mandell of Mandell & Pinder; Michael McDonald of McDonald & Company; Dr. Marianne Ignace, Associate Professor at Simon Fraser University; Robert James of Cook Roberts; Herb George from the National Centre for First Nations Governance; Shawn A-in-chut Atleo the BCAFN Regional Chief; and Jerome Slavic of Ackroyd Law.

2. Coordination & Communication

2.1. *Coordination with ONA Fisheries Department and UCAMP Policy and Technical Working Groups to ensure First Nations interests in Columbia Basin*

fisheries and aquatic ecosystems are well defined and communicated.

- ✓ The scoping document initiated and created will aid in the coordination of the three Nations by providing them with summaries of the activities, meetings, and initiatives taking place in the Upper Columbia River Basin.
- ✓ Coordinated with ONAFD the possible projects that are available from BC Hydro Water Use Planning for 2007 implementation.
- ✓ Updated ONAFD profile in order to coordinate and facilitate future proposals and bidding on projects in the Columbia Basin.
- ✓ Initiated creation of ONAFD electronic reference library database & system to be used for proposal and report writing.
- ✓ Attended and participated in a UCAMP TWG member teleconference February 13, 2007. Discussed roles of each of the participants and how to work collaboratively to increase efficiency.
- ✓ Met with Secwepemc Fisheries Commission on March 5, 2007 and reviewed current status of initiatives in the Columbia Basin, current projects with BC Hydro, and their participation in the Columbia Basin.

2.2. *Articulation of First Nation fisheries and aquatic habitat interests in the Columbia Basin and connection of this information to government plans, hydro-development, and the development of stewardship initiatives and projects.*

- ✓ Articulated the formation of the UCAMP and how this partnership is working towards collaboration in order to increase First Nations participation in aquatic management in the Columbia Basin at the Visions workshop, AAROM meeting and with other professional contacts.

2.3. *Develop contacts and professional relationships with government, non-government and other First Nation organizations in the Columbia Basin that have interests and responsibilities for fisheries and/or aquatic habitats.*

- ✓ Met with Patti Bailey, Environmental Planner from Colville Confederated Tribes and articulated First Nations interests in increasing participation in transboundary Columbia Basin fisheries and aquatic management.
- ✓ Met various tribal, Canadian and US government and non-government representatives at the Salmon Restoration Workshop facilitated by ESSA technologies in Spokane, WA.
- ✓ Met various First Nation, government and non-government representatives at the Visions Fisheries Workshop "Diminishing Resources ~ collaborative approaches" in Prince George, BC. Articulated the formation of the UCAMP and how this partnership is working to accomplish collaboration to increase First Nations participation in aquatic management in the Columbia Basin.

2.4. Develop and facilitate Columbia Basin transboundary collaboration and cooperation in aquatic ecosystem management, involving Canadian First Nations, US Tribes and Government agencies.

- ✓ Participated in the Policy/Legal sub-group at the Columbia River Salmon Restoration Workshop which further identified the need for transboundary collaboration with regards to salmon restoration in the Columbia River.
- ✓ Attended and participated in the UCWSRI- transboundary contaminants working group meeting on February 20, 2007 @ Spokane, WA.
- ✓ Attended and participated in the Pacific Salmon Treaty Workshop hosted by Okanagan Nation Alliance, March 19, 2007 @ Westbank, BC.

2.5. Assist UCAMP in the coordination of collaborative project partnerships related to fisheries assessments, habitat restoration, and/or stewardship in areas of the Columbia Basin with governments and industries.

- ✓ Developed joint First Nations Expressions of Interest and proposals with CCRIFC on the Walter Hardman Rainbow Trout and Temperature Monitoring Water Use Planning projects.

2.6. Share information on Columbia Basin issues and opportunities with ONA Departments (e.g. Land Use, Research & Archives, etc...).

- ✓ Shared information (BC Hydro, WUP) with ONA Land Use department on current Columbia Basin initiatives and projects.
- ✓ Reviewed information from ONA Land Use department on participation in Canadian Columbia River Forum.

2.7. Participate in meetings of the ONA Chiefs Executive Council, ONA Fisheries Department and/or Okanagan Nation member bands to provide information and updates and to seek guidance and advice.

- ✓ Attended and participated in the ONA Chiefs Executive meeting December 19, 2006 meeting @ Osoyoos, BC.
- ✓ Attended and participated in ONAFD staff meeting February 21, 2007.

2.8. Participate in meetings of the UCAMP Technical and Policy Working Groups.

- ✓ Attended and participated in UCAMP TWG meeting December 18, 2006 @ Castlegar, BC, and February 27, 2007 @ Spokane, WA.
- ✓ Attended and participated in UCAMP PWG meeting February 19, 2007 @ Revelstoke, BC.

2.9. Develop briefings on fisheries and habitat issues in areas of the Columbia Basin.

- ✓ Will be built into Columbia River scoping document future volumes. Major issue currently identified is the Teck-Cominco water quality and contamination issue.

Appendix 6

**DRAFT
UPPER COLUMBIA SCOPING DOCUMENT
VOLUMES 1, AND 2**

Appendix 7

**SUMMARY REPORT FROM THE PACIFIC SALMON TREATY WORKSHOP
MARCH 19 AND 20, 2007**

Appendix 8

BC HYDRO INFORMATION DOCUMENT: WATER USE PLANNING PROJECT IMPLEMENTATION SCHEDULE

LITY	NAME OF STUDY/PHYSICAL WORKS	FIELD WORK INITIATION*	DURATION (Start year of study = Year 1)	STATUS
MBIA RIVER				
SKET RESERVOIR FISH & WILDLIFE INFORMATION PLAN				
MONITORING STUDIES				
	CLBMON#1 MICA DAM TGP MONITORING & ABATEMENT PROGRAM	May/2008	Years 1-2	Not started
	CLBMON#2 KIN & REV KOKANEE POPULATION MONITORING	Aug/2008	Years 1-13	Not started
	CLBMON#3 KIN & REV ECOLOGICAL PRODUCTIVITY MONITORING	Apr/2008	Years 1-12	Not started
	CLBMON#4 KIN FISH STRANDING ASSESSMENT	May/2008	Years 1-3	Not started
	CLBMON#5 KIN BURBOT LIFE HISTORY & HABITAT USE ASSESSMENT	Sep/2008	Years 1-3	Not started
	CLBMON#6 KIN BULL TROUT LIFE HISTORY & HABITAT USE ASSESSMENT	Aug/2011	Years 1-3	Not started
	CLBMON#7 KIN RAINBOW TROUT LIFE HISTORY & HABITAT USE ASSESSMENT	Aug/2014	Years 1-3	Not started
	CLBMON#8 KIN MONITORING/STABILIZATION OF VALEMONT PEATLAND	May/2008	Years 1-2	Not started
SKET & ARROW RESERVOIR REVEGETATION MANAGEMENT PLAN				
MONITORING STUDIES				
	CLBMON#9 KIN MONITORING OF REVEGETATION EFFORTS	May/2008	Years 1-5, 10	Not started
	CLBMON#10 KIN INVENTORY OF VEGETATION RESOURCES	May/2007	Years 1-5, 10	Not started
	CLBMON#11 KIN AND ARROW REVEGETATION & WILDLIFE	May/2008	Years 1-2, 4, 6, 8, 10, 12	Not started
	CLBMON#12 ARROW REVEGETATION MONITORING	May/2008	Years 1-5, 10	Not started
	CLBMON#13 MID COL MONITORING: MOSQUITO POPULATIONS	Apr/2008	Years 1-2	Not started
CAL WORKS				
	CLBWORKS#1 KINBASKET: REVEGETATION 1800/1500	Jun/2007	Years 1-5	Not started
	CLBWORKS#2 MID COL: REVEGETATION 100/550	Jun/2007	Years 1-5	Not started
	CLBWORKS#3 ARROW: REVEGETATION 700/500	Jun/2007	Years 1-5	Not started

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SKET & ARROW RECREATIONAL MANAGEMENT PLAN				
FORING STUDIES				
	CLBMON#14 KIN & ARR BOAT RAMP USE STUDY	Apr/2009	Years 1-12	Not started
CAL WORKS	CLBWORKS#4 KIN BULLDOG CREEK NEW RAMP	Apr/2009	Years 1,5	Not started
	CLBWORKS#5 KIN VALEMOUNT MARINA EXTEND RAMP	May/2009	Years 1	Not started
	CLBWORKS#6 KIN NIXON CREEK EXTEND RAMP	May/2009	Years 1,5	Not started
	CLBWORKS#7 KIN BUSH HARBOUR RAMP EXTENSION	Mar/2009	Years 1,5	Not started
	CLBWORKS#8 KIN BOAT RAMP MAINTENANCE	Mar/2010	Years 1-11	Not started
	CLBWORKS#9 REVELSTOKE EXTEND OR BUILD	May/2009	Years 1	Not started
	CLBWORKS#10 REVELSTOKE BOAT RAMP MAINTENANCE	Mar/2010	Years 1-11	Not started
	CLBWORKS#11 ARR BURTON NEW RAMP	May/2009	Years 1,5	Not started
	CLBWORKS#12 ARR EDGEWOOD RAMP EXTENSION	Apr/2010	Years 1,5	Not started
	CLBWORKS#13 ARR FAUQUIER RAMP EXTENSION	Apr/2010	Years 1,5	Not started
	CLBWORKS#14 ARR MACDONALD RAMP EXTENSION	May/2009	Years 1,5	Not started
	CLBWORKS#15 ARR BOAT RAMP MAINTENANCE	Mar/2010	Years 1-11	Not started
	CLBWORKS#16 KIN DEBRIS INVENTORY, MANAGEMENT STRATEGY AND REMOVAL	May/2010	Years 1-10	Not started
	CLBWORKS#17 ARR DEBRIS INVENTORY, MANAGEMENT STRATEGY AND REMOVAL	Apr/2010	Years 1-10	Not started
	CLBWORKS#18 FEASIBILITY OF BOAT RAMPS	May/2007	Years1	Not started
	CLBWORKS#19 LCR INDIAN EDDY DREDGING ENVIRONMENTAL & ENGINEERING ASSESSMENT	Jan/2008	Years 1	Not started
	CLBWORKS#20 LOW COL INDIAN EDDY DREDGING	Sep/2009	Years 1,6	Not started
	CLBWORKS#21 LOW COL DEBRIS REMOVAL ENVIRONMENTAL REVIEW	May/2008	Years 1	Not started
	CLBWORKS#22 LCR DEBRIS REMOVAL AT INDIAN EDDY	Oct/2009	Years 1-11	Not started
	CLBWORKS#23 KIN & ARR DEBRIS REMOVAL ENVIRONMENTAL REVIEW	Mar/2008	Years 1	Not started
	CLBWORKS#32 ARR RENATA NEW RAMP	Apr/2010	Years 1,5	Not started
	CLBWORKS#33 ARR SYRINGA NEW RAMP	Apr/2010	Years 1,5	Not started

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STOKE FLOW MANAGEMENT PLAN					
TORING STUDIES	CLEMON#15 MID COL PHYSICAL HABITAT AND ECOLOGICAL PRODUCTIVITY	Apr/2007	Years 1-14	Not started	
	CLEMON#16 MID COL FISH POPULATION INDEXING	Oct/2007	Years 1-14	Not started	
	CLEMON#17 MID COL JUVENILE HABITAT USE	Mar/2008	Years 1-5	Not started	
	CLEMON#18 MID COL ADULT FISH HABITAT USE	Mar/2008	Years 1-5	Not started	
MBIA RIVER WHITE STURGEON MANAGEMENT PLAN					
TORING STUDIES	CLEMON#19 KIN STURGEON INVENTORY & HABITAT	Apr/2008	Years 1-3	Not started	
	CLEMON#20 MID COL WHITE STURGEON SPAWNING HABITAT	Apr/2008	Years 1-2	Not started	
	CLEMON#21 MID COL JUVENILE STURGEON DETECTION & HABITAT USE STUDY & TRACKING OF EXISTING TAGGED ADULTS	Apr/2007	Years 1-10	Not started	
	CLEMON#23 MID COL STURGEON EGG SUBSTRATE	Apr/2007	Years 1-10	Not started	
	CLEMON#24 MID COL STURGEON GENETIC	Apr/2007	Years 1-10	Not started	
	CLEMON#25 KIN JUVENILE STURGEON DETECTION & HABITAT USE PROGRAM	Apr/2009	Years 1	Not started	
	CLEMON#26 KIN JUVENILE STURGEON RECOLONIZATION RISK	Apr/2008	Years 1-3	Not started	
	CLEMON#27 MID COL JUVENILE STURGEON INCUBATION & REARING	Apr/2008	Years 1-3	Not started	
	CLEMON#28 LOW COL ADULT STURGEON POPULATION MONITORING	Apr/2011	Years 1-2	Not started	
	CLEMON#29 LOW COL JUVENILE STURGEON DETECTION	Apr/2008	Years 1-13	Not started	
	CLEMON#30 LOW COL OPPORTUNISTIC ASSESSMENT OF HIGH FLOW EVENTS	Apr/2008	Years 1-10	Not started	
	CLEMON#30 LOW COL OPPORTUNISTIC ASSESSMENT OF HIGH FLOW EVENTS	Apr/2011	Years 1,6	Not started	
	CLEWORKS#24 MID COL STURGEON EXPERIMENTAL AQUACULTURE	Apr/2007	Years 1-3	Not started	
	CLEWORKS#25 MID COL STURGEON CONSERVATION AQUACULTURE	Apr/2013	Years 1-2	Not started	
OAL WORKS	CLEWORKS#26 MID COL STURGEON UPGRADE HATCHERY	Apr/2012	Years 1	Not started	
	CLEWORKS#27 LOW COL BENTONITE ADDITION EXPERIMENT	Apr/2009	Years 1,5,9	Not started	
	CLEWORKS#28 LOW COL PLANNING & ASSESSMENT OF WSG TURBIDITY	Apr/2008	Years 1,6	Not started	
	CLEWORKS#34 LOW COL STURGEON AQUACULTURE PROGRAM	Jan/2008	Years 1-12	Not started	

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W RESERVOIR OPERATIONS MANAGEMENT PLAN				
FORING STUDIES				
	CLBMON#31 ARROW BURBOT LIFE HISTORY	Apr/2008	Years 1-5	Not started
	CLBMON#32 ARROW TRIBUTARY FISH MIGRATION	Apr/2008	Years 1, 3, 5, 7, 9	Not started
	CLBMON#33 ARROW INVENTORY VEGETATION	May/2007	Years 1-5, 10	Not started
	CLBMON#34 ARROW VEGETATION COMPOSITION AND ANALYSIS	Apr/2008	Years 1-5, 10	Not started
	CLBMON#35 ARROW PLANT RESPONSE TO INUNDATION	Apr/2008	Years 1-5, 10	Not started
	CLBMON#36 KIN AND ARROW NEST MORTALITY OF MIGRATING BIRDS	Apr/2008	Years 1-10	Not started
	CLBMON#37 KIN AND ARROW AMPHIBIAN AND REPTILE LIFE HISTORY	Apr/2008	Years 1-5, 10	Not started
	CLBMON#38 ARROW FALL MIGRATION SHOREBIRD USE	Apr/2008	Years 1-10	Not started
	CLBMON#39 ARROW NEOTROPICAL MIGRANT USE OF ARROW	Apr/2008	Years 1-10	Not started
W RESERVOIR WILDLIFE MANAGEMENT PLAN	CLBMON#40 ARROW WATERBIRD MONITORING	Apr/2008	Years 1-10	Not started
	CLBMON#41 ARROW RECREATION DEMAND STUDY	Apr/2008	Years 1-5	Not started
CAL WORKS	CLBWORKS#29 ARROW FEASIBILITY STUDY OF WILDLIFE PHYSICAL WORKS AND STUDY OF HIGH VALUE HABITAT	Apr/2008	Years 1	Not started
	CLBWORKS#30 ARR WILDLIFE PHYSICAL WORKS IN LIEU	Jan/2009	Years 1-10	Not started
W COLUMBIA RIVER FISH MANAGEMENT PLAN				
FORING STUDIES	CLBMON#42 LOW COL FISH STRANDING	Apr/2008	Years 1-13	Not started
	CLBMON#43 LOW COL SCULPIN & DACE	Nov/2008	Years 1-5	Not started
	CLBMON#44 LOW COL PHYSICAL HABITAT & ECOLOGICAL PRODUCTIVITY	Apr/2008	Years 1-13	Not started
	CLBMON#45 LOW COL FISH POPULATION INDEXING	Sep/2007	Years 1-13	Not started
	CLBMON#46 LOW COL RAINBOW TROUT SPAWNING HABITAT ASSESSMENT	Jan/2008	Years 1-2	Not started
	CLBMON#47 LOW COL WHITEFISH SPAWNING GROUND TOPOGRAPHIC SURVEY	Nov/2008	Years 1-5	Not started
	CLBMON#48 LOW COL WHITEFISH EGG MONITORING & LIFE HISTORY STUDY	Aug/2008	Years 1-5	Not started
	CLBMON#49 LOW COL EFFECTS OF WHITEFISH FLOWS ON GBH AND WINTER USE OF WALDIE BY GBH	Mar/2008	Years 1-5	Not started

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AGE MANAGEMENT PLAN					
TORING STUDIES					
	CLBMON#50 ARROW HERITAGE MONITORING WIND & WAVE EROSION	Apr/2008	Years 1-5	Not started	
	CLBMON#51 KINBASKET & REVELSTOKE ARCH SITE OVERVIEW ASSESSMENT	Apr/2007	Years 1	Not started	
	CLBMON#52 ARROW ARCH SITE OVERVIEW ASSESSMENT	Apr/2007	Years 1	Not started	
AN DAM					
TORING STUDIES					
	DDMMON#1 LOWER DUNCAN RIVER RAMPING RATE MONITORING	Sep/2008	Years 1-2	Not started	
	DDMMON#2 LOWER DUNCAN RIVER FISH HABITAT USE MONITORING	Mar/2008	Years 1-4	Not started	
	DDMMON#3 LOWER DUNCAN RIVER HYDRAULIC MODEL DEVELOPMENT	Sep/2008	Years 1-2, 5-6, 10-11	Not started	
	DDMMON#4 LOWER DUNCAN RIVER KOKANEE SPAWNING MONITORING	Aug/2007	Years 1-10	Not started	
	DDMMON#5 UPPER DUNCAN RIVER BULL TROUT MIGRATION MONITORING	May/2008	Years 1-4	Not started	
	DDMMON#6 LOWER DUNCAN RIVER BULL TROUT PASSAGE MONITORING	Apr/2008	Years 1-10	Not started	
	DDMMON#7 LOWER DUNCAN RIVER WATER QUALITY MONITORING	Jul/2008	Years 1-2	Not started	
	DDMMON#8 LOWER DUNCAN RIVER RIPARIAN COTTONWOOD AND WILDLIFE USE MONITORING	Mar/2009	Years 1-10	Not started	
	DDMMON#9 LOWER DUNCAN RIVER MOSQUITO MONITORING AND MANAGEMENT PLAN DEVELOPMENT	May/2008	Years 1-10	Not started	
	DDMMON#10 DUNCAN RESERVOIR FISH HABITAT USE MONITORING	Apr/2008	Years 1-2	Not started	
	DDMMON#11 DUNCAN RESERVOIR BURBOT MONITORING	Nov/2008	Years 1-10	Not started	
	DDMMON#12 DUNCAN RESERVOIR ARCHEOLOGICAL OVERVIEW ASSESSMENT	Apr/2008	Years 1	Not started	
	DDMMON#13 DUNCAN RESERVOIR ARCHEOLOGICAL SITE EROSION MONITORING	Apr/2008	Years 1	Not started	
	DDMMON#14 DUNCAN RESERVOIR RIPARIAN VEGETATION AND WILDLIFE USE MONITORING	Apr/2008	Years 1, 3, 6, 10	Not started	
	DDMMON#15 DUNCAN RESERVOIR RIVER STRANDING PROTOCOL DEVELOPMENT AND FINALIZATION	Apr/2016	Years 1	BC Hydro	
	DDMMON#16 LOWER DUNCAN RIVER FISH STRANDING IMPACT MONITORING	Sep/2008	Years 10	Not started	
	DDMMON#17 DUNCAN RESERVOIR KOKANEE STOCK ASSESSMENT	Jun/2015	Years 1-3	Not started	
CAL WORKS					
	DDMWORKS#1 LOWER DUNCAN RIVER ARGENTA SLOUGH EROSION PROTECTION	Apr/2008	Years 1	Not started	
	DDMWORKS#2 DUNCAN RESERVOIR GLACIER CREEK BOAT RAMP EXTENSION	Mar/2008	Years 1	Not started	
	DDMWORKS#3 PLAN TO ADDRESS NUTRIENT RETENTION CAUSED BY DUNCAN DAM OPERATIONS	Sep/2007	Years 1-10	BC Hydro	
	DDMWORKS#4 ACTION PLAN TO MINIMIZE STRANDING OF KOKANEE SPAWNING IN LOWER DUNCAN RIVER SIDECHANNELS	Aug/2012	Years 1-5	Not started	

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WALTER HARDMAN MONITORING STUDIES	WHNMON#1 LOWER CRANBERRY CREEK KOKANEE SPAWNING AND INCUBATION HABITAT MONITORING	Aug/2010	Year 1	Not started
	WHNMON#2 LOWER CRANBERRY CREEK RAINBOW TROUT REARING HABITAT MONITORING	Aug/2010	Year 1	Not started
	WHNMON#3 WALTER HARDMAN HEADPOND DRAWDOWN IMPACTS (FISH) MONITORING	Jul/2008	Year 1	Not started
	WHNMON#4 LOWER CRANBERRY CREEK TEMPERATURE EFFECTS MONITORING	Apr/2007	Years 1-5	Not started
	WHNMON#5 LOWER CRANBERRY CREEK RAINBOW TROUT ABUNDANCE/BIOLOGY MONITORING	Jul/2007	Years 1-5	Not started
	WHNMON#6 WALTER HARDMAN GENERATING STATION TAILRACE HABITAT MONITORING	Aug/2007	Years 1-5	Not started
ICAL WORKS			Year 1 (depending on Order)	Not started
	WHNWORKS#1 WALTER HARDMAN DIVERSION DAM MINIMUM FLOW RELEASE FACILITY	Sep/2007	Years 1-5	In progress
	WHNWORKS#2 CRANBERRY CREEK ANNUAL GRAVEL PLACEMENT PROGRAM	Mar/2007		
SHAN MONITORING STUDIES				
	WGSMON#1 LOWER WHATSHAN RIVER FISH HABITAT ENHANCEMENT EFFECTIVENESS MONITORING	Aug/2006	Years 1,2, 4,7,10	Year 1 and 2 In progress
	WGSMON#2 RESERVOIR VEGETATION	Aug/2006	Years 1,6,10	Year 1 In progress
	WGSMON#3 WILDLIFE MONITORING	Jul/2006	Year 1	In progress
	WGSMON#4 ARCHAEOLOGY INVENTORY STUDY			
SHAN PHYSICAL WORKS	WGSMON#1 HABITAT ENHANCEMENT STRUCTURES	Aug/2008	Year 1	Not started
	WGSMON#2 INONOAKLIN RECREATION SITE BOAT LAUNCH	Mar/2006	Year 1	Complete

* Expect request for Proposals 2
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