

Chandindu River Weir Demobilization

Prepared By:

Sebastian Jones

Yukon River Commercial Fishers Association

Dawson City, Yukon

Prepared for:

Yukon River Panel

Restoration and Enhancement Fund

CRE-13-05

Chandindu River Weir Demobilization

CRE-13-05

1st September 2005

Prepared By:

Sebastian Jones

Yukon River Commercial Fishers Association

Prepared for:

The Yukon River Panel

Restoration and Enhancement Fund

ACKNOWLEDGEMENTS

I would like to thank Martin Farr, Jonathon Dowdell, Ron McCready, Timothy Olson and George McLeod for their work and expertise in moving the weir material. The project would not have been successful without Jake Duncan, Art Christiansen and Roberta Joseph's advice and encouragement. The Percy DeWolfe Race lent a snow machine and Lorne McDonald volunteered days of his holidays in the final phases. Funding for this project was provided by the Yukon River Panel

TABLE OF CONTENTS

ACKNOWLEDGEMENTS.....	3
ABSTRACT	5
INTRODUCTION.....	6
METHODS, MATERIALS, RESULTS AND DISCUSSION.....	6
RECOMMENDATIONS	8
REFERENCES.....	9
APPENDICIES	14

ABSTRACT

The Chandindu weir was a completed stock assessment project; however, much material was left on site. The original proponents applied for and received funding to clean up the site and store the weir material. The material was brought to the mouth of the Chandindu by snow machine and to a storage facility in Dawson City by boat and road. The original weir site is now returning to a pre-activity condition and the weir material is available for future stock assessment projects.

INTRODUCTION

There was a lack of knowledge about Chinook stocks on the Chandindu River. This was identified as a priority under the Yukon River Panel's Restoration and Enhancement Fund's guidelines and as a result a weir project was funded. The prime goal of the project was to assess the health of Chinook stocks on the Chandindu River for possible inclusion in the Klondike incubation plan; secondary goals included the training of local people in doing projects, investigating the suitability of a rebuilding program on the Chandindu and developing guidelines for weir deployment in Yukon.

The project ran for 5 years, a major part of a Chinook brood cycle and employed up to 5 people at a time.

This project is complete and the materials used for the weir and the associated camp needed to be removed from the site and the site left clean and the materials transported to a suitable location for storage for future projects. The purpose of this project was to complete the clean-up of site and remove the weir materials to Dawson City, Yukon.

METHODS, MATERIALS, RESULTS AND DISCUSSION

Coordination and communication for this project was provided by the Dawson Community Stewardship Coordinator. The Steward, Sebastian Jones, coordinated the project from his office located in Dawson City, Yukon. The project was divided into four main phases with specific tasks to be accomplished: a pre-project stage for planning purposes; a winter project stage in which the material was transported by snow machine from the weir site to a site at the confluence of the Chandindu and Yukon rivers; a summer phase where the materials were transported by boat to Dawson and by truck to a storage site at Callison Industrial Park; and a post-project stage that saw a final site review and reports written and distributed.

Phase 1 – Planning

Planning was conducted at a series of meetings between Sebastian Jones and the Trond'ek Hw'echin Fish and Wildlife staff, Roberta Joseph and Art Christiansen. At these meetings the method of using snow machines in late winter and boats in summer was agreed. Initial recommendations for staff were made at this time, as were rates of pay and equipment rental rates. Art

Christiansen and Sebastian Jones made an initial site visit by snow machine to confirm the accessibility of the site and the practicality of the chosen technique.

Phase 2 – Winter Transport

Art Christiansen and Sebastian Jones made a trip to the weir site on March 24th to confirm access to the site and the practicality of the plan.

12 person days were used in winter moving the materiel to the Yukon River.

Removal of the weir began on April 2, 2005

The weir materials were located and dug out of the snow and transported by snow machine to a temporary storage site on the banks of the Yukon River near the mouth of the Chandindu River. The work continued on April 3rd and was completed on April 4th.

The temporary storage site was selected for its proximity to the Chandindu, the likely hood of it surviving spring break up, its accessibility by snow machine and its handiness in the next phase of the project.

Phase 3 – Summer Transport

13 person days were used in summer freighting the materiel from the confluence of the Chandindu/Yukon Rivers to the storage facility in the Callison Industrial Subdivision near Dawson City, YT.

One final trip to the weir site was made by Sebastian to inspect the cleaned up site on August 23rd.

Phase 4 - Reporting

3 person days were used in coordinating the project and reporting on it.

Coordination of this project included identifying staff, hiring, supervising and paying them; reconciling the TH/YRCFA proposals and identifying a long term home for the materials.

In total, 33 person days were required to complete the project. 5 person days were used in preplanning and reconnoitring and the remaining was used by personnel to remove and transport the weir.

RECOMMENDATIONS

Although this project went largely according to plan, some issues did arise:

1. Resources. This project could not have been completed without the time and labour of the Dawson Steward who is funded by another R&E program. Had this project been forced to “stand alone”, the budget could have been doubled.
2. Weir location. By definition, a weir has to be on a stream small enough that navigation by boat is marginal. Nonetheless, some trouble should be taken to locate weirs where the logistics of installation and removal of the considerable quantities of materiel are minimized. Specifically, the key is road access.

REFERENCES

Edwin Blewett and Associates Inc, Yukon River Panel Budget Priorities
Framework, 2003

Jake Duncan, A Non- Technical Report Template, 2003

LIST OF PHOTOS

Photo 1: Initial site visit showing Art Christiansen and part of the camp and weir.

Photo 2: Martin Farr digging out part of the weir.

Photo 3: Ron McCready and Jonathon Dowdell digging out weir sections.

Photo 4: Jonathon moving the weir by snow machine.

Photo 5: View of weir at temporary storage #1.

Photo 6: View of weir at temporary storage #2.

Above photos taken in April 2005.

Photo7: Weir materials stored at Dawson (a) September 2005

Photo 8: Weir materials stored at Dawson (b) September 2005

All photos courtesy Sebastian Jones.



Photo 1: Initial site visit showing Art Christiansen and part of the camp and weir.



Photo 2: Martin Farr digging out part of the weir.



Photo 3: Ron McCready and Jonathon Dowdell digging out weir sections.



Photo 4: moving the weir.



Photo 5: View of weir at temporary storage#1



Photo 6: View of weir at temporary storage#2



Photo7: Weir materials stored at Dawson (a)



Photo 8: Weir materials stored at Dawson (b)

APPENDICIES

CRE-13-05 Chandindu River Salmon Enumeration Weir Budget

2	persons	3	days, at	\$ 250.00	per day	-	\$1,500.00
2	snow machines	3	days, at	\$ 200.00	per day	-	\$1,200.00
1	assistant	3	days, at	\$ 200.00	per day		\$ 600.00
1	assistant	2	days, at	\$ 200.00	per day	-	\$ 400.00
1	four wheeler	1	day, at	\$ 75.00	per day		\$ 75.00
1	boat, for	2	days, at	\$ 500.00	per day	-	\$1,000.00
	Miscellaneous materials for freighting and storage					-	\$ 300.00
Subtotal:							\$5,075.00
Admin:							\$ 761.25
Grand Total:							\$5,836.25

CRE-13-05 Chandindu River Salmon Enumeration Weir Actual

2	persons	3	days, at	\$ 250.00	per day	-	\$ 1,500.00
3	snow machines	3	days, at	\$ 200.00	per day	-	\$ 1,800.00
1	assistant, winter	3	day, at	\$ 200.00	per day		\$ 600.00
3	assistants, summer	1	day, at	\$ 200.00	per day	-	\$ 600.00
1	Boat	5	days, at	\$55.00	per day		\$ 275.00
	Miscellaneous materials for freighting and storage					-	\$ 300.00
Subtotal:							\$ 5,075.00
Admin:							\$ 761.25
Grand Total:							\$ 5,836.25

Appendix B

CRE-13-05 Project Financial Statement

Revenue

Source	Yukon River Panel	CRE-13-05	\$5,000.00
		CRE-98-05	\$836.25

Expenses

Category:	Description	Budgeted	Actual	Difference
Coordination and reporting				
	Labour	\$761.25	\$761.25	\$0.00
Equipment rental				
	Snow machines	\$1,200.00	\$1,800.00	-\$600.00
	4 Wheeler	\$75.00	\$0.00	\$75.00
	Boat	\$1,000.00	\$275.00	\$725.00
Project labour				
	Winter	\$2,100.00	\$2,100.00	\$0.00
	Summer	\$400.00	\$600.00	-\$200.00
Miscellaneous materials for freighting and storage				
		\$300.00	\$300.00	\$0.00
Budgeted		\$5,836.25		
Actual			\$5,836.25	
Revenue less expenses:				\$0.00
