
BUCK CREEK JUVENILE SALMONID EMIGRATION PROGRAM: AUTUMN 2000

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ABSTRACT

THIS REPORT DOES NOT CONTAIN DETAILED DATA ANALYSIS.

The Community Futures Development Corporation of Nadina (CFDCN) operated a rotary screw trap (RST) on Buck Creek in the upper Bulkley River from August to November, 2000. The purpose of this study was to determine what portion of the coded wire tagged coho salmon fry outplanted into the upper reaches of Buck Creek in August migrated downstream prior to winter.

Low water for the majority of the study hampered the ability to set the rotary screw trap. Of 888 fish caught during the 17 days the RST was set, only 13 were coho. 12 of these were wild fish. Data gathered by setting wire mesh minnow traps on several occasions upstream and downstream of the RST added to the evidence that the outplanted coho did not migrate down Buck Creek prior to November.

We recommend that a spring coho smolt enumeration study be run on Buck Creek to help determine coho winter survival and numbers of outplanted and wild smolts migrating out of the system.

ACKNOWLEDGEMENTS

Thanks goes out to the Jim and Tracy De La Mare, our field technicians who worked tirelessly to assemble, install, operate and check the rotary screw trap during this project. We appreciate their extraordinary donations of time and use of personal equipment to get the job got done. Thanks also to Brenda Donas, Community Advisor with Fisheries and Oceans Canada in Smithers for her tireless enthusiasm in her advisory role on this project.

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INTRODUCTION

Fisheries and Oceans Canada (DFO) has been releasing hatchery reared coho fry into Buck Creek since 1999 as part of its Strategic Stock Enhancement program. This spring, for the second consecutive year, the Community Futures Development Corporation of Nadina (CFDCN) operated an 8 foot rotary screw trap (RST) in Buck Creek to estimate the number of coho (wild and hatchery) migrating out of the creek into the Bulkley River. Of the 80,440 coho released in August, 1999, 30,667 to 35,322 are estimated to have migrated out of the system this spring (SKR 2000a). The fate of the remaining 45,000 to 50,000 fish remains unknown. Some remain in Buck Creek as 1+ fry. Others may have migrated downstream to alternative habitat prior to ice-up, or may have died over the winter.

During the first week of August, 2000, Toboggan Creek Hatchery released 69,720 adipose fin-clipped and coded wire tagged coho fry into Buck Creek. CFDCN was contracted by Fisheries and Oceans Canada to operate a rotary screw trap to enumerate coho fry downstream migration within the system. The purpose of the project was to determine what portion of the coho salmon fry outplanted into the upper reaches of Buck Creek in August migrated downstream prior to winter.

Specific objectives were to:

- Install and operate a six-foot diameter rotary screw trap in Buck Creek at the first bridge on Buck Flats Road.
- Evaluate trap efficiency
- Sample fish to determine species composition, condition factor, age composition and general condition of outmigrating salmonids.
- To enter data and prepare a brief summary. Data analysis and interpretation are not part of this contract and will be performed at a later date.

DFO plans to operate a rotary screw trap in the spring of 2001 to determine the number of fish released in August 2000 that migrate downstream in the spring.

STUDY AREA

Buck Creek, a 5th order watershed (1:50,000 scale), empties into the upper Bulkley River at Houston, in north-central British Columbia (Fig. 1). Buck Creek is the largest tributary to the upper Bulkley River, draining 580 km² (approximately 25% of the watershed) (NHC 1997). Buck Creek is thought to be one of the most significant juvenile salmonid rearing streams in the watershed (BCCF 1997). Anadromous species including chinook salmon (*Oncorhynchus tshawytsa*), coho salmon (*O. kisutch*), pink salmon (*O. gorbuscha*), steelhead (*O. mykiss*), and pacific lamprey (*Lampetra tridentata*) are known to utilize accessible areas of the

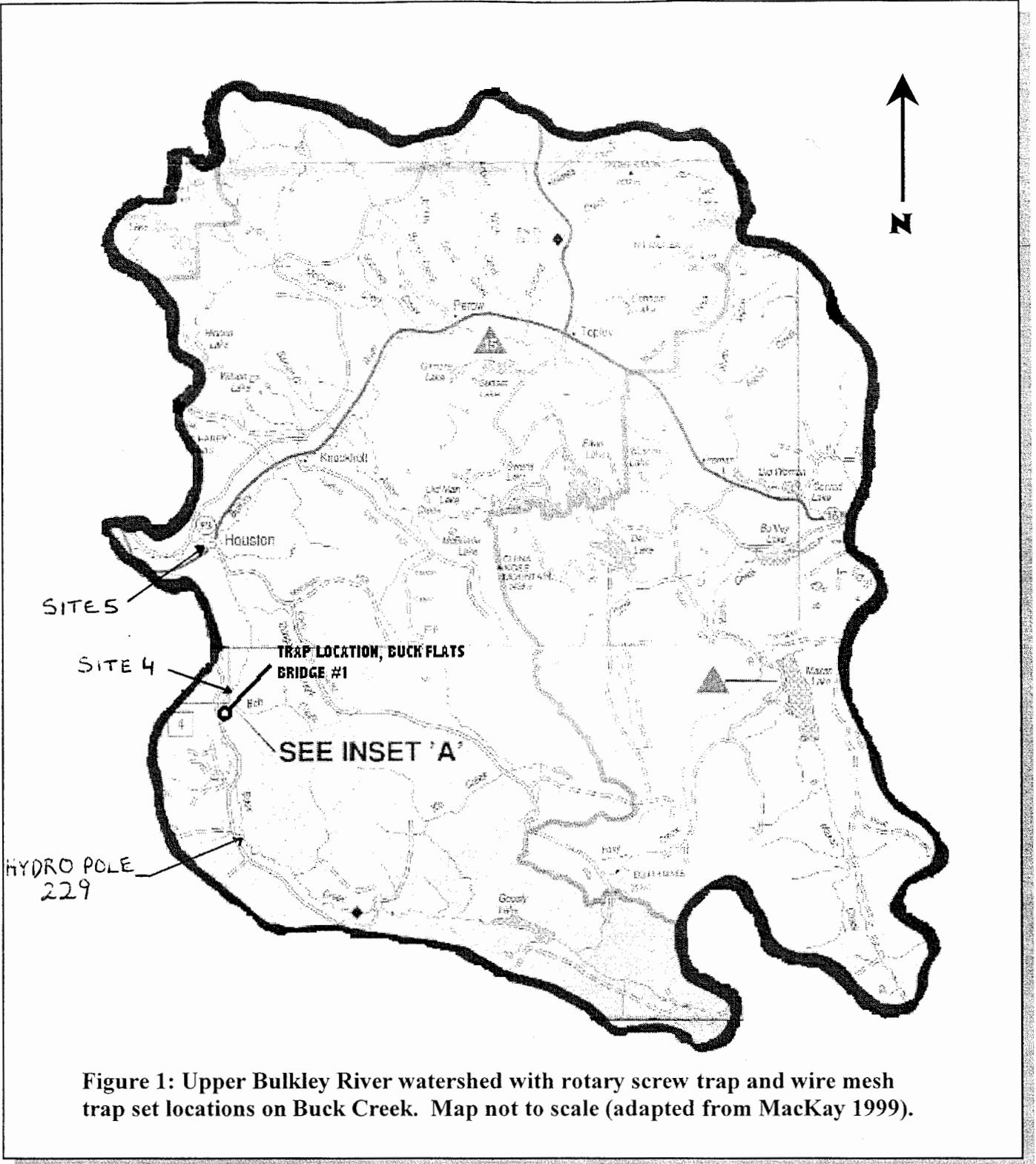


Figure 1: Upper Bulkley River watershed with rotary screw trap and wire mesh trap set locations on Buck Creek. Map not to scale (adapted from MacKay 1999).

watershed (FISS 2000; BCCF 1998). Resident species found in the watershed include bull trout/Dolly Varden (*Salvelinus confluentus* / *S. malma*), rainbow trout (*O. mykiss*), rocky mountain whitefish (*Prosopium williamsoni*), longnose dace (*Rhinichthys cataractae*), coarsescale suckers (*Catostomus macrocheilus*), white suckers (*C. commersoni*), longnose suckers (*C. catostomous*) (BCCF 1998) and river lamprey (*Lampetra ayresi*) (Mackay 1999). A single cutthroat trout was reported during operation of the rotary screw trap this spring (SKR 2000a). Identification was not verified.

METHODS

Rotary Screw Trap Location

A six-foot rotary screw trap (RST) was set at the head of a pool (Fig. 2) several hundred metres downstream of the first bridge crossing on Buck Flats road (Fig. 1). We chose this site due to its suitable depth and the access provided by a side road. Low water levels precluded the use of the site at Buck Flats road used during the spring program.

The trap was held in place with 3/8" galvanized cables fastened to large trees along the stream bank. A rope tied to the shore stabilized the back end of the trap.

Trap Operation

The RST was run sporadically between August 2/3 and Nov 2/3, 2000. Extreme water levels hampered the ability to set the trap throughout the study and we set the trap only 17 times. When water levels allowed, we operated the RST from dusk (approximately 8 pm) until dawn (approximately 8:30 am) twice per week. Low water flows between August 14 and September 5 and October 9 to late October did not allow the trap to be fished. Unfortunately, due to design flaws in the trap, a relatively strong current, not available during low flows, was required to move the screw of the trap. When waters rose suddenly near the end of October, the trap again could not be set due to large amounts of debris washing down the creek. We set the trap for 5 consecutive days between October 29/30 and November 2/3 to take advantage of higher water conditions once the majority of the debris had moved downstream. After November 3, the creek started to ice up and the trap could no longer operate.

Two technicians were present during for sampling, cleaning and operational checks. They cleaned debris from the drum mesh regularly using brooms and wire brushes. Debris was also removed from the trap when required and at the beginning and end of fishing each day. In sets during high flow periods, they checked the trap once each night for debris build-up and to ensure proper trap operation. Additionally, the trap was checked every evening during the study to minimize the chances of vandalism. During low flows, we tested an inclined plane trap (IPT) at the site. No fish were captured and fish appeared to avoid the trap. We did not use the IPT again.



Figure 2: Maneuvering the 6 foot rotary screw trap into place at the head of a pool (above).
The rotary screw trap positioned to begin fishing (below).



Wire Mesh Minnow Traps

On three occasions when the RST could not be fished due to low water, we set wire mesh traps baited with roe to provide an indication of fish movement. We chose two sites downstream of the RST, and one site upstream to qualitatively monitor fish migration. These sites were among those used for Buck Creek in an overwintering study overseen by Fisheries and Oceans during the winter of 1999/2000 (Fig. 1)(SKR 2000b). On August 23 and 29, six traps were set overnight for approximately 12 hours at Sites 4 and 5, downstream of the RST. On October 11, 12 minnow traps were set upstream of the RST adjacent to Hydro pole #229 along Buck Flats Forest Service Road. Traps were clustered in three sets of four between two beaver dams.

Biological and Physical Sampling

All fish captured were anaesthetized with Alka Seltzer and baking soda. We identified all fish to species. We inspected juvenile coho for hatchery marking (adipose fin clip, right maxillary clip, right ventral clip, top or bottom caudal clip). Injured fish were noted. Fork length (mm) and weight (to the nearest 0.1g) were collected for all salmonids. Scale samples were taken from 7 chinook juveniles on September 20th. Length and weight data were used to calculate Fulton's condition factor (K) (equation 1).

Equation 1: $K=10^5 (w/l^3)$

Where: K=Fulton's condition factor

w=weight (g)

l=fork length (mm)

Several physical measurements were taken each time the trap was set. We measured air and water temperature using a pocket alcohol thermometer. Water level was recorded to the nearest centimetre using the existing staff gauge. Weather and trap operation details were also recorded (Appendix A).

Trap Efficiency

Trap efficiency could not be tested during this study. Insufficient numbers of coho were captured in any sampling period to obtain a sufficient sample size to implement a mark-recapture effort.

RESULTS

Water level and water temperature:

Water level was consistently low until late October (Fig. 3a). Between August 3 and October 13, levels ranged from 8 cm to several centimetres below the staff gauge. This low water inhibited running the trap on several occasions. Rains and rain on snow events toward the end of October brought levels up to 38 to 43 cm between October 30 and November 3.

Water temperatures dropped relatively consistently from a high of 16°C on August 3rd to a low of 2°C between October 30 and November 2 (Fig. 3b).

The trap operation summary is located in Appendix A.

Fish Migration

The individual data for fish captured in the rotary screw trap and wire mesh traps is located in Appendix B.

A total of 888 fish were captured in the RST during the 17 days of sampling. All salmonids, with the exception of 3 rainbow trout were immature. Rainbow trout / steelhead juveniles were the most common fish captured, totalling 255 (Fig. 4). 110 juvenile chinook were captured. All were wild. Only 13 coho were captured during the study. These fish were captured on August 3 and 9, and on September 8. Only one of these was a hatchery released fish. No coho were captured during the flush of high water at the end of the study, when one might have expected the fish to move downstream if they were going to prior to ice-up. Further evidence that the hatchery released fish were not migrating down Buck Creek is shown with the data from the wire mesh traps. All 42 coho captured at Site 5, downstream of the RST near the confluence with the Bulkley River, were unmarked wild fish, while all 48 coho caught at Site "Hydro pole 229", upstream of the RST had "adipose clips," indicating hatchery origin. Only two coho were captured at Site 4, downstream of the RST. Both were adipose clipped fish, but based on their lengths being over 100 mm, they likely originated from the August 1999 outplanting.

The large number of beaver dams in Buck Creek appeared to play a role in keeping the outplanted coho from moving downstream. Either the fish were restrained from migrating due to the physical barriers posed by the dams during the low flows of the autumn, or the habitat behind the dams was adequate for the number of fish in the system.

The highest catch per unit effort (CPUE) for most fish species occurred on August 9, and September 8 and 12 (Fig. 5). Physical data collected on these days provided no particular reasoning for these relatively high CPUEs. These days of operation were when the trap was being set on a regular basis twice a week. Although water temperature dropped from

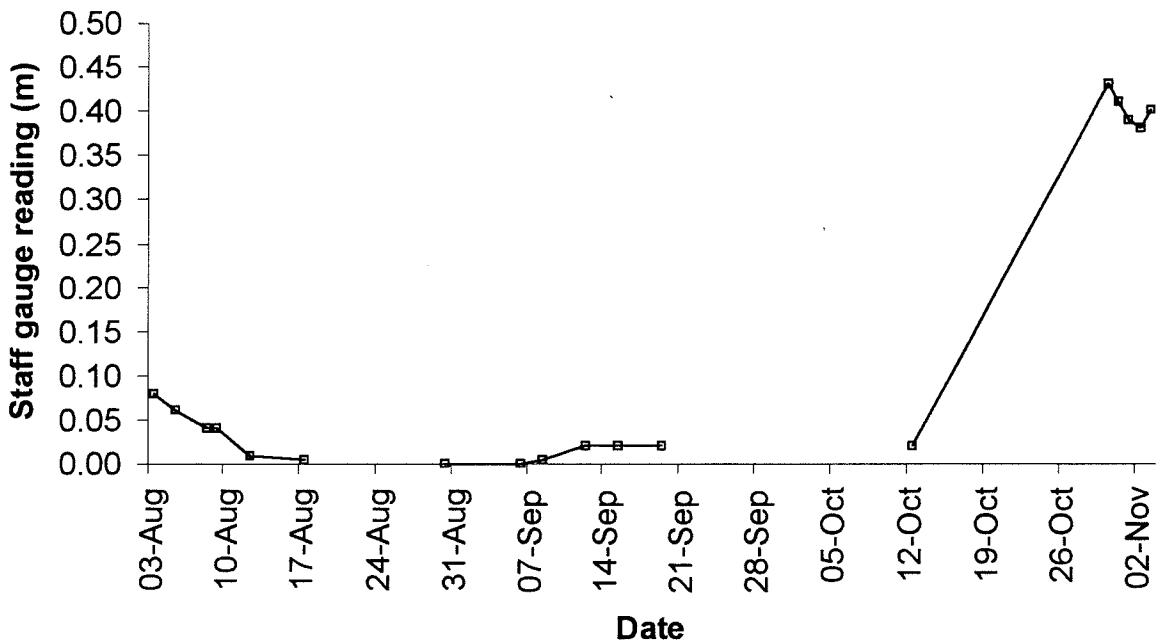


Figure 3a. Staff gauge readings taken at the first bridge crossing over Buck Creek on Buck Flats Road. Blank areas indicate times for which water levels were below the staff gauge.

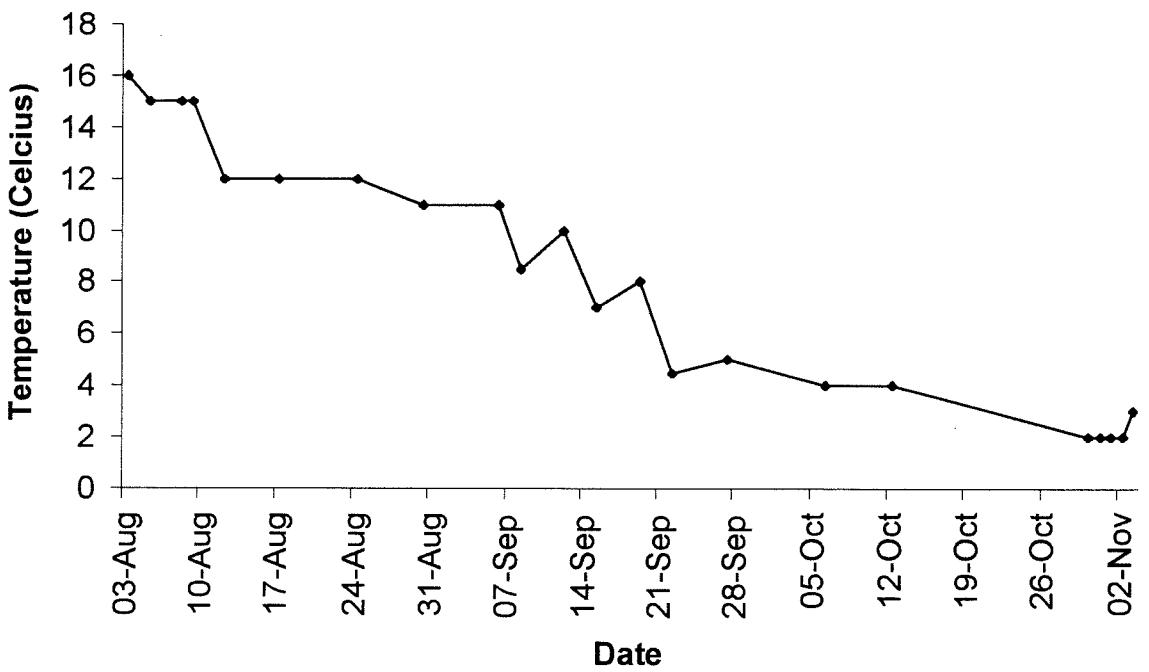


Figure 3b: Water temperature of Buck Creek at the RST site.

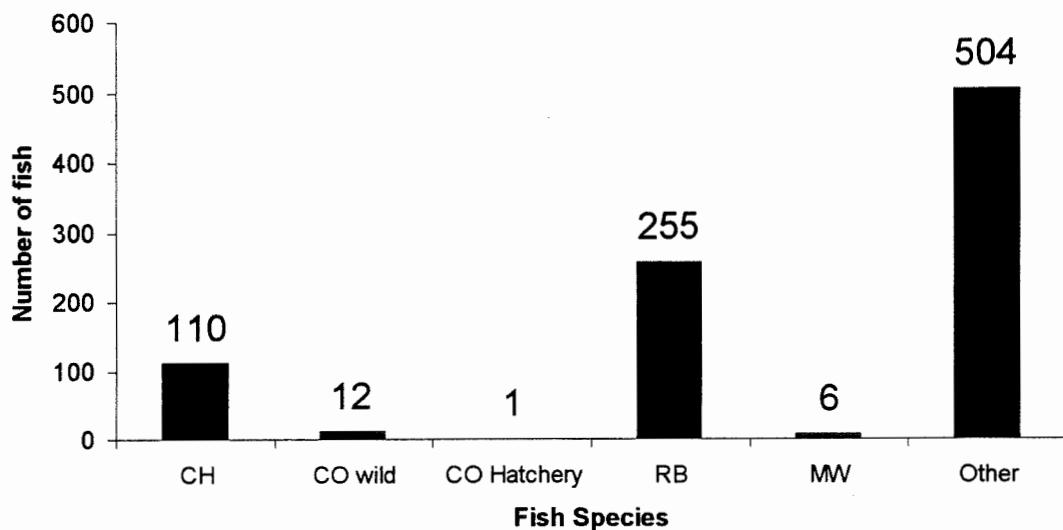


Figure 4: Numbers of each species of fish caught in the Rotary Screw Trap

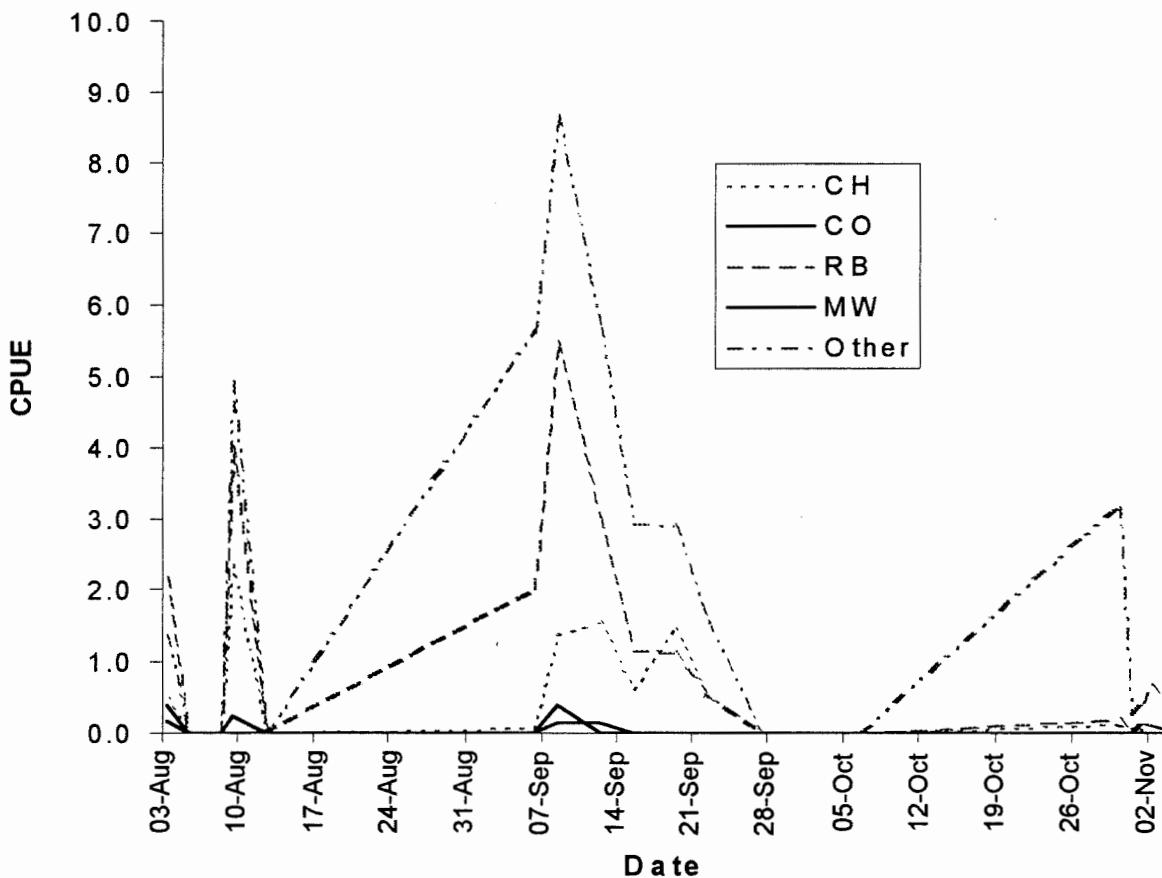


Figure 5: Catch per unit effort in the Rotary Screw Trap.

11 to 8.5 °C between September 6 and 8, it rose back up to 10°C by September 12. Water flows were low on each of these days.

All coho captured during the study were measured and weighed. Wild coho ranged in length from 50-96 mm, while adipose clipped fish ranged in size from 73 to 121 mm. Based on length frequency distribution curves from SKR (2000a), the wild fish captured this fall were a mix of age 0+ and 1+. The hatchery fish were also primarily age 0+ (1999 brood), with a few age 1+ (1998 brood). The average mean Fulton condition factor for wild coho was 1.14 ± 0.12 and for adipose clipped hatchery coho was 1.16 ± 0.10 . These condition factors cover the entire sample of coho captured during the study in the RST and the minnow traps. Condition factors were not calculated for each age class of coho and a statistical comparison of the means was not conducted.

RECOMMENDATIONS

- **Screw trap size:** The six foot rotary screw trap was a more suitable size than the 8-foot trap used in the previous studies on this creek. However, a 4 or 5 foot trap would be a better choice due common low flow conditions.
- **Rotary Screw Trap design:** Mechanical and physical problems experienced with the 6 foot RST were outlined in an e-mail sent on August 31, 2000 to Brenda Donas, Community Advisor (DFO) for the Smithers area:
 - The screw of the trap required a relatively large force to turn. DFO may want to approach the manufacturer to fix this problem. The most obvious source of friction is a tight gasket between the screw and trap box refinishing the trap.
 - The partitions in the trap box are not of any standard size and none of variety of nets we have will fit snuggly into the trapbox making fish capture difficult and time consuming. We have 2 suggestions. Either redesign the trapbox to a standard size or custom design and build a net which will fit snuggly into the trapbox.
 - Steel bearings and a self-cleaning mechanism might help ensure the trap operates with increased efficiency.
- **Timing:** The rotary screw trap was difficult to operate in the autumn due to low flows and leaf / debris load when water levels rose.
- **Holding for Trap-Efficiency Tests:** An on-site holding facility complete with air supply would allow fish captured over several days to be pooled together until an appropriate sample size is collected for a trap efficiency test.
- **Sampling facility or shelter:** Currently, fish sampling is conducted on a gravel bar, or on the tailgate of a pick-up truck. An on-site shelter or portable shed would allow greater

efficiencies in sampling and improve the working environment in poor weather.

- **On-site security:** Due to past vandalism of the trap and the time required to check the trap each evening, we recommend hiring someone to perform on-site security and to clean and check the trap. They should be equipped to communicate with technical staff (cellular/radio phone) should there be any problems with the trap. Temporary accommodations on site (e.g. camper or RV) would improve security.
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REFERENCES

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A P P E N D I X A

Daily Summaries of Field Notes.

BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

DAY : 01	DATE : From : 02	To : 03
	TIME : From : 8	To : 830
	Effort (Hrs) : 12.5	WATER T. 16°C
	DISCHARGE : Low (High, Medium, Low)	WATER LEVEL 8cm

COMMENTS :

Setting Depth :

8 inches up from May set depth

Ø Morts

We clean the trap after every day fished

Cleaned debris^{for approx 100m} upstream, branches left from wind storm

SPECIES SUMMARY - creek is full of downed trees / branches / leaves upstream of trap. Next high water will bring large amounts of debris down.

COHO 5

RB/ST 27

CHINOOK 6

DV Ø

OTHER 21

2 White Fish
3 Long Nose Sucker
6 White Sucker
8 Long Nose Dace
1 Lamprey
1 Toad

COHO SUMMARY

No. Coho < 100 mm.

5

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
1	Ø	Ø	4

No. Coho > 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
Ø	Ø	Ø	Ø

Totals

1	Ø	Ø	4
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BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

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DAY : 2

DATE : From :

Aug 4

To :

Aug 5

TIME : From :

8.30

To :

8.30

Effort (Hrs) :

12

WATER T.

15°C

DISCHARGE :

LOW

WATER

6CM

(High, Medium, Low)

STAFF GAUGE

COMMENTS :

Setting Depth :

No Fish

Low Flow & Not enough
water to turn the drum.

SPECIES SUMMARY

COHO

RB/ST

CHINOOK

DV

OTHER

COHO SUMMARY

No. Coho < 100 mm.

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
/	/	/	/

No. Coho > 100 mm.

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
/	/	/	/

Totals

/	/	/	/
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BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

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DAY : **3**DATE : From : **Aug 7**

To :

Aug 8TIME : From : **8:00**

To :

8:30Effort (Hrs) : **12.5**WATER T. **15°**DISCHARGE : **Low**WATER LEVEL **4cm**

(High, Medium, Low)

COMMENTS :

Setting Depth: 8 inch from Max set
 Drum is sticking & not running right
 No Fish
 We had to modify gasket to get the drum to turn, seems to work 

SPECIES SUMMARY

COHO **Ø**RB/ST **Ø**CHINOOK **Ø**DV **Ø**OTHER **Ø**

COHO SUMMARY

No. Coho < 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
Ø	Ø	Ø	Ø

No. Coho > 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
Ø	Ø	Ø	Ø

Totals

Ø	Ø	Ø	Ø
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BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

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DAY : 4	DATE : From : Aug 8	To : Aug 9
TIME : From : 8:30	To : 8:30	
Effort (Hrs) : 12	WATER T. 15°	
DISCHARGE : LOW (High, Medium, Low)	WATER LEVEL 4cm	

COMMENTS : Setting Depth : **8"** From Maxset Depth
∅ Morts

SPECIES SUMMARY

COHO 3	RB/ST 48	CHINOOK 28
DV 0	OTHER 50	

DV 0	OTHER 59	White sucker = 36 Long nose dace = 21 Lamprey = 2
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COHO SUMMARY

No. Coho < 100 mm.	<u>No. Adipose</u> Only	<u>No. Adip.</u> Rt. Max.	<u>No. Right</u> Ventral	<u>No.</u> Unmarked
	3	∅	∅	3

No. Coho > 100 mm.	<u>No. Adipose</u> Only	<u>No. Adip.</u> Rt. Max.	<u>No. Right</u> Ventral	<u>No.</u> Unmarked
	∅	∅	∅	∅

Totals	<u>No. Adipose</u> Only	<u>No. Adip.</u> Rt. Max.	<u>No. Right</u> Ventral	<u>No.</u> Unmarked
	∅	∅	∅	3

BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

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DAY : **5**

DATE : From :

Aug 11

To :

Aug 12

TIME : From :

8:00

To :

8:30

Effort (Hrs) :

12.5

WATER T.

12°C

DISCHARGE :

Low

WATER

1cm

(High, Medium, Low)

COMMENTS :

Setting Depth:
Weather
Clouds

8" from Maximum set depth

Ø Morts Water is turbid from overnight
showers

Low debris load

No Velocity Drum quit turning
No Fish

SPECIES SUMMARY

COHO

Ø

RB/ST

Ø

CHINOOK

Ø

DV

Ø

OTHER

Ø

COHO SUMMARY

No. Coho < 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
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No. Coho > 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
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Totals

Ø	Ø	Ø	Ø
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BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

DAY : 6 DATE : From : AUG 15 To : AUG 17
TIME : From : To :
Effort (Hrs) : WATER T. 12°C
DISCHARGE : LOW WATER LEVEL .5
(High, Medium, Low)

COMMENTS :

Setting Depth :
SET 1. P.T. FISH WOULD
NOT ENTER TRAP. FISH FELT THE
FLOW AND AVOIDED TRAP.
WE NEED RAIN. STAFF GAUGE
IS VERY LOW AND CLOSE TO
NOT REGISTERING.

SPECIES SUMMARY

COHO RB/ST CHINOOK
DV OTHER

COHO SUMMARY

No. Coho < 100 mm.

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
<u> </u>	<u> </u>	<u> </u>	<u> </u>

No. Coho > 100 mm.

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Totals

<u> </u>	<u> </u>	<u> </u>	<u> </u>
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BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

DAY : 7

DATE : From : Aug 23

To : Aug 24

TIME : From : 8:30 AM

To : 9:00 AM

Effort (Hrs) : 12.5

WATER T. 12°C

DISCHARGE : Low

WATER

(High, Medium, Low)

LEVEL Below staff gauge

COMMENTS :

Setting Depth :

Weather
clouds/showers

SITE #4 6-G TRAPS

∅ Morts

SPECIES SUMMARY

COHO

1

RB/ST

18

CHINOOK

6

DV

∅

OTHER

COHO SUMMARY

No. Coho < 100 mm.

1

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
<u>1</u>	<u>∅</u>	<u>∅</u>	<u>∅</u>

No. Coho > 100 mm.

∅

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
<u>∅</u>	<u>∅</u>	<u>∅</u>	<u>∅</u>

Totals

<u>1</u>	<u>∅</u>	<u>∅</u>	<u>∅</u>
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BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

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DAY : **7** DATE : From : **23/08** To : **24/08**
 TIME : From : **8:00** To : **8:45**
 Effort (Hrs) : **12.75** WATER T. **12°C**
 DISCHARGE : **Low** WATER LEVEL **Below Stage Gang**
 (High, Medium, Low)

COMMENTS :

Setting Depth : O.W.S. SITE #5	6-G TRAPS SET
<i>Weather clouds/RAIN</i>	6-TRAPS
Ø Morts	

SPECIES SUMMARY

COHO	42	RB/ST	22	CHINOOK	4
DV	Ø	OTHER	2	<i>Cottus Asper (1) LNC (1)</i>	

COHO SUMMARY

No. Coho < 100 mm. **40**

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
Ø	Ø	Ø	40

No. Coho > 100 mm. **2**

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
Ø	Ø	Ø	2

Totals **Ø Ø Ø 42**

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BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

DAY : 8	DATE : From : Aug 29	To : Aug 30
TIME : From : 8:00 PM	To : 8:30 AM	
Effort (Hrs) : 12.5	WATER T. 11°C	
DISCHARGE : LOW (High, Medium, Low)	WATER LEVEL 0 cm	

COMMENTS :

Setting Depth:
Weather
Cloudy/Sun
∅ MORTS

G Minnow TRAP 6 PER site
Site #5

SPECIES SUMMARY

COHO 30	RB/ST 34	CHINOOK + 12
DV ∅	OTHER ∅	

COHO SUMMARY

No. Coho < 100 mm.

30

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
∅	∅	∅	30

No. Coho > 100 mm.

∅

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
∅	∅	∅	∅

Totals

∅	∅	∅	30
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BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

DAY : 8	DATE : From : Aug 29	To : Aug 30
TIME : From : 8:45 PM	To : 10:15 AM	
Effort (Hrs) :	 	WATER T. 11°C
DISCHARGE : (High, Medium, Low)	Low	WATER LEVEL 0cm

COMMENTS :

Setting Depth:
Weather
Sun/Clouds

6 Minnow TRAPS SET
Site #4

1 Mort CHINOOK Damaged eye

SPECIES SUMMARY

COHO 5	RB/ST 23	CHINOOK 13
DV Ø	OTHER 1	Long Nose Dace

15

COHO SUMMARY

No. Coho < 100 mm.	No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
3	Ø	Ø	Ø	3
No. Coho > 100 mm.	No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
2	2	Ø	Ø	Ø
Totals	2	Ø	Ø	3

BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

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DAY : 9 DATE : From : Sept 5 To : Sept 6
 TIME : From : 8 PM To : 9 AM
 Effort (Hrs) : 13 hrs WATER T. 11°C
 DISCHARGE : Low WATER LEVEL .0 cm
 (High, Medium, Low) STAFF GAUGE

COMMENTS :

Setting Depth : 12" from Maximum Set depth
 Weather clouds/sun
Ø Morts
Low debris "But more leaves"

SPECIES SUMMARY

COHO ØRB/ST 26CHINOOK 1DV ØOTHER 7362 White suckers
11 Long nose Dace

COHO SUMMARY

No. Coho < 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
<u>Ø</u>	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>

No. Coho > 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
<u>Ø</u>	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>

Totals

<u>Ø</u>	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>
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BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

Page 1 of 4

DAY : 10	DATE : From : Sept 7	To : Sept 8
TIME : From : 7:30 AM	To : 8:30 AM	
Effort (Hrs) : 13 hrs	WATER T. 8.5	
DISCHARGE : Low (High, Medium, Low)	WATER LEVEL 0.5 Staff gauge	

COMMENTS :

Setting Depth:
 Weather
 Sun & cloud
 Rain yesterday caused a small migration
 12" up from Maximum set depth
 1 = Most Long Nose Dace

SPECIES SUMMARY

COHO 5	RB/ST 71	CHINOOK 18
---------------	-----------------	-------------------

DV Ø	OTHER 114
-------------	------------------

101 White suckers
 11 Long Nose Dace
 2 White Fish

COHO SUMMARY

No. Coho < 100 mm.

5

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
Ø	Ø	Ø	5

No. Coho > 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
Ø	Ø	Ø	Ø

Totals

Ø	Ø	Ø	5
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Page 1 of 3

BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

DAY : <input type="text" value="11"/>	DATE : From : <input type="text" value="Sept 11"/>	To : <input type="text" value="Sept 12"/>
	TIME : From : <input type="text" value="7:30"/>	To : <input type="text" value="8:30"/>
	Effort (Hrs) : <input type="text" value="13hrs"/>	WATER T. <input type="text" value="10°C"/>
	DISCHARGE : <input type="text" value="Low"/>	WATER LEVEL <input type="text" value="2 SG"/>
(High, Medium, Low)		

COMMENTS :

Setting Depth :

Weather
Sun & cloud

12" from Maximum set Depth.

O = Morts

Low Debris

SPECIES SUMMARY

COHO <input type="text" value="Ø"/>	RB/ST <input type="text" value="39"/>	CHINOOK <input type="text" value="20"/>
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DV <input type="text" value="Ø"/>	OTHER <input type="text" value="76"/>	45 White suckers 29 Long Nose Dace 2 White Fish
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COHO SUMMARY

No. Coho < 100 mm.

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
<input type="text" value=" "/>			

No. Coho > 100 mm.

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
<input type="text" value=" "/>			

Totals

<input type="text" value="Ø"/>	<input type="text" value="Ø"/>	<input type="text" value="Ø"/>	<input type="text" value="Ø"/>
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BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

Page 1 of 2

DAY : **12** DATE : From : **Sept 14** To : **Sept 15**
 TIME : From : **7:30** To : **8:30**
 Effort (Hrs) : **13** WATER T. **7°C**
 DISCHARGE : **Low** WATER LEVEL **2cm**
 (High, Medium, Low)

COMMENTS :

Setting Depth:
 Weather **sun** **12"** from Max Set
 Air Temp **0°C** MORTS
 frost

SPECIES SUMMARY

COHO	Ø	RB/ST	15	CHINOOK	8
DV	Ø	OTHER	38		

COHO SUMMARY

No. Coho < 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

No. Coho > 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

Totals

Ø	Ø	Ø	Ø
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BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

Page 1 of 2

DAY : 13	DATE : From : Sept 18	To : Sept 19
	TIME : From : 7:30	To : 8:30
	Effort (Hrs) : 12.5	WATER T. 8°C
	DISCHARGE : LOW (High, Medium, Low)	WATER LEVEL 2cm

COMMENTS :

Setting Depth:
 Clouds 12" from Max
 Air Temp 7°C MORTS 1 RAINBOW 1 whitefish
 Found in TRAP Dead.

SPECIES SUMMARY

COHO 0	RB/ST 14	CHINOOK 18
DV 0	OTHER 36	

COHO SUMMARY

No. Coho < 100 mm.

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

No. Coho > 100 mm.

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

Totals

			<input type="checkbox"/>
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Page 1 of 2

BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

DAY : **14** DATE : From : **Sept 21** To : **Sept 22**
TIME : From : **7:30** To : **8:30**
Effort (Hrs) : **13 hrs** WATER T. **4.5**
DISCHARGE : **Low** WATER LEVEL **Below Staff gauge**
(High, Medium, Low)

COMMENTS :

Setting Depth:
weather **overcast** 14" up from Maximum Set.
Air temp - **0°C** Morts = **Ø**
ice on the puddles

SPECIES SUMMARY

COHO	Ø	RB/ST	7	CHINOOK	7
DV	Ø	OTHER	20		

COHO SUMMARY

No. Coho < 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

No. Coho > 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

Totals

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Page 1 of 1

BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

DAY : 15

DATE : From :

Sept 26

To :

Sept 27

TIME : From :

7:30

To :

9:30

Effort (Hrs) :

14

WATER T.

5°C

DISCHARGE :

LOW

WATER

(High, Medium, Low)

LEVEL

Below half gauge

COMMENTS :

Setting Depth :

Weather

Sun

14' from Mat set

NO Fish

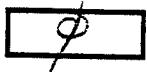
Air temp 8°C

Debris Load Heavy with Leaves

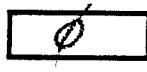
Drum stopped

SPECIES SUMMARY

COHO



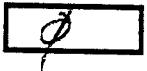
RB/ST



CHINOOK



DV



OTHER



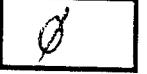
COHO SUMMARY

No. Coho < 100 mm.



No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

No. Coho > 100 mm.



No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

Totals

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Page 1 of 1

BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

DAY : 16	DATE : From : Oct 5	To : Oct 6
TIME : From : 7:00pm	To : 9:00AM	
Effort (Hrs) : 14hrs	WATER T. 4°C	
DISCHARGE : Low (High, Medium, Low)	WATER LEVEL Below staff gauge	

COMMENTS :

Setting Depth : **16"** from Maximum set depth

Weather **Sun**

Air temp - **-1°C**

Beaver dam Obstruction **1/2 km upstream**

Debris Heavy leaf load

SPECIES SUMMARY

COHO Ø	RB/ST Ø	CHINOOK Ø
DV Ø	OTHER 5	White suckers

COHO SUMMARY

No. Coho < 100 mm. **Ø**

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

No. Coho > 100 mm. **Ø**

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

Totals

			Ø
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Page 1 of 4

BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

DAY : 17	DATE : From : Oct 11	To : Oct 12
TIME : From : 6:30 AM	To : 9:30 AM	
Effort (Hrs) : 15 hrs	WATER T. 4°C	
DISCHARGE : LOW	WATER LEVEL	<i>start gauge</i> 2cm
(High, Medium, Low)		

COMMENTS :

Setting Depth :
 Weather 12- G Minnow TRAPS
 Sunny 3 clusters of 4 TRAPS
 5C Hydro Pole # 229
 Upper Buck Creek
 Ø - Morts

SPECIES SUMMARY

COHO 48	RB/ST 32	CHINOOK 1
DV Ø	OTHER 1	white sucker

COHO SUMMARY

No. Coho < 100 mm.	No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
43	43	Ø	Ø	Ø
No. Coho > 100 mm.	No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked
5	5	Ø	Ø	Ø
Totals	48	Ø	Ø	Ø

BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

DAY : **18**DATE : From : **Oct 29**To : **Oct 30**TIME : From : **6:30**To : **9:30**Effort (Hrs) : **15 hrs**WATER T. **2°C**DISCHARGE : WATER **43**

(High, Medium, Low)

COMMENTS :

Kept a lamprey
for specimen
it is different
from the rest
of the lampreys
captured

Setting Depth : **12"** from Max set
 Weather **Sun & Clouds**
+1°C 1 Mort = Rainbow lost 1 eye from
 stick gouge
 small woody debris & leaf load heavy
 in the trap. Trap box doesn't seem to clear
 its self everything seem to settle in the trap

SPECIES SUMMARY

COHO

Ø

RB/ST

3

CHINOOK

2

DV

Ø

OTHER

48**47 Lamprey**
1 long Nose dace

COHO SUMMARY

No. Coho < 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

No. Coho > 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

Totals

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Page 1 of 2

BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

DAY : 19	DATE : From : Oct 30	To : Oct 31
TIME : From : 6:00	To : 8:30	
Effort (Hrs) : 14.5	WATER T. 2°C	
DISCHARGE : Med (High, Medium, Low)	WATER LEVEL 41	

COMMENTS :

Setting Depth : **12'** from Max SET
 Weather **Sun & Cloud**
 Air Temp +2 Morts = 0
 Woody debris jammed, stopped RST

SPECIES SUMMARY

COHO Ø	RB/ST Ø	CHINOOK 1
DV Ø	OTHER 4	Lampreys

COHO SUMMARY

No. Coho < 100 mm.



No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

No. Coho > 100 mm.



No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

Totals

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Page 1 of 2

BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

DAY : **20**

DATE : From :

Oct 31

To :

Nov 1

TIME : From :

6:00

To :

8:30

Effort (Hrs) :

14.5

WATER T.

2°C

DISCHARGE :

Med

WATER

39cm

(High, Medium, Low)

LEVEL

COMMENTS :

Setting Depth :

Clouds 12' from Max set
Slow overcast
Temp +1C O = Mort's
Water = +2C

SPECIES SUMMARY

COHO

Ø

RB/ST

2

CHINOOK

1

DV

Ø

OTHER

6

Lamprey

COHO SUMMARY

No. Coho < 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

No. Coho > 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

Totals

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BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

Page 1 of 2

DAY : **21**DATE : From : **Nov 1**To : **Nov 2**TIME : From : **6:00**To : **10:30**Effort (Hrs) : **16 1/2 h**WATER T. **2°C**DISCHARGE : **Med**WATER LEVEL **38cm**

(High Medium Low)

COMMENTS :

Setting Depth :

Weather

clouds / RAIN

Temp - +4

Water - 2.5°C

12" Max set

0 = Mort

SPECIES SUMMARY

COHO

Ø

RB/ST

2

CHINOOK

Ø

DV

Ø

OTHER

111-Burbot
9-Lamprey
1-Long nose dace

COHO SUMMARY

No. Coho < 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

No. Coho > 100 mm.

Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

Totals

--	--	--	--

BUCK CREEK JUVENILE TRAPPING PROGRAM 2000

Page 1 of 2

DAY : 22 DATE : From : Nov 2 To : Nov 3
 TIME : From : 6:00 To : 9:00
 Effort (Hrs) : 15 hrs WATER T. 3°C
 DISCHARGE : Med WATER LEVEL 40cm
 (High, Medium, Low)

COMMENTS :

Setting Depth : 12' Max set
 Weather Rain
Temp +5 O = Morts

SPECIES SUMMARY

COHO	<u>Ø</u>	RB/ST	<u>1</u>	CHINOOK	<u>Ø</u>
DV	<u>Ø</u>	OTHER	<u>7</u>	<u>6 Lamprey</u> <u>1 Cottus Asper</u>	

COHO SUMMARY

No. Coho < 100 mm. Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

No. Coho > 100 mm. Ø

No. Adipose Only	No. Adip. Rt. Max.	No. Right Ventral	No. Unmarked

Totals

--	--	--	--

A P P E N D I X B

Individual Fish Data

**Appendix B. Individual data for fish captured during the Buck Creek Juvenile Enumeration Study,
August to November, 2000.**

Note: Only a portion of the non-salmonids captured are included in this list.

DAY	DATE OUT	SPECIES	STAGE (IM/MT/A)	FL (mm)	WEIGHT (g)	MARKS (AD/ADRM/ RV/UM)	COMMENTS
1	03-Aug-00	RB	IM	92	8.5	UM	
1	03-Aug-00	CO	IM	96	9.8	AD	
1	03-Aug-00	CO	IM	82	6.9	UM	
1	03-Aug-00	CH	IM	110	16.5	UM	
1	03-Aug-00	CH	IM	124	23.8	UM	
1	03-Aug-00	RB	IM	138	24.5	UM	
1	03-Aug-00	RB	MT	148	34.5	UM	
1	03-Aug-00	RB	MT	196	73	UM	
1	03-Aug-00	RB	MT	156	34.1	UM	
1	03-Aug-00	RB	IM	122	18	UM	
1	03-Aug-00	RB	IM	87	6.6	UM	
1	03-Aug-00	RB	IM	95	9.7	UM	
1	03-Aug-00	RB	IM	88	7.9	UM	
1	03-Aug-00	CO	IM	75	4.7	UM	
1	03-Aug-00	RB	IM	80	5.8	UM	
1	03-Aug-00	RB	IM	92	8.4	UM	
1	03-Aug-00	RB	IM	86	6.5	UM	
1	03-Aug-00	CO	IM	71	4.2	UM	
1	03-Aug-00	RB	IM	105	12.2	UM	
1	03-Aug-00	MW	IM	121	17.4	UM	
1	03-Aug-00	WSU	IM	128	23.9	UM	
1	03-Aug-00	WSU	IM	118	16.3	UM	
1	03-Aug-00	LNC	MT	90	7.6	UM	
1	03-Aug-00	LNC	MT	91	8.2	UM	
1	03-Aug-00	WSU	IM	85	6.4	UM	
1	03-Aug-00	LSU	IM	103	12	UM	
1	03-Aug-00	CH	IM	76	5.2	UM	
1	03-Aug-00	CO	IM	72	3.8	UM	
1	03-Aug-00	CH	IM	75	4.7	UM	
1	03-Aug-00	CH	IM	81	5.5	UM	
1	03-Aug-00	CH	IM	74	4	UM	
1	03-Aug-00	RB	IM	101	10.7	UM	
1	03-Aug-00	MW	IM	113	12.9	UM	
1	03-Aug-00	LNC	MT	77	4.8	UM	
1	03-Aug-00	RB	IM	137	25.2	UM	
1	03-Aug-00	RB	IM	130	22.4	UM	
1	03-Aug-00	RB	IM	124	20.5	UM	
1	03-Aug-00	RB	IM	93	8.4	UM	
1	03-Aug-00	RB	IM	86	6.9	UM	
1	03-Aug-00	RB	IM	106	11.5	UM	
1	03-Aug-00	RB	IM	95	9.4	UM	
1	03-Aug-00	RB	IM	102	11.8	UM	
1	03-Aug-00	RB	IM	107	12.5	UM	

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
1	03-Aug-00	RB	IM	95	9.4	UM	
1	03-Aug-00	RB	IM	102	11.8	UM	
1	03-Aug-00	RB	IM	107	12.5	UM	
1	03-Aug-00	RB	IM	112	14.2	UM	
1	03-Aug-00	RB	IM	93	8.2	UM	
1	03-Aug-00	RB	IM	73	4.5	UM	
1	03-Aug-00	RB	IM	91	7.9	UM	
1	03-Aug-00	WSU	IM	130	20.8	UM	
1	03-Aug-00	WSU	IM	127	22.3	UM	
1	03-Aug-00	LSU	IM	109	12.2	UM	
1	03-Aug-00	LNC	IM	56	1.7	UM	
1	03-Aug-00	LNC	MT	86	6.7	UM	
1	03-Aug-00	WSU	IM	86	6.6	UM	
1	03-Aug-00	LNC	MT	74	4.1	UM	
1	03-Aug-00	LNC	IM	51	1.5	UM	
1	03-Aug-00	LNC	MT	79	4.2	UM	
1	03-Aug-00	LSU	IM	101	9.8	UM	
2	05-Aug-00						No fish/evidence of trap tampering/fish seen around trap/drum not turning due to low water levels
3	08-Aug-00						No fish
4	09-Aug-00	CO	IM	75	4.9	UM	
4	09-Aug-00	RB	IM	86	6.4	UM	
4	09-Aug-00	RB	IM	82	5.7	UM	
4	09-Aug-00	RB	IM	88	7.5	UM	
4	09-Aug-00	CH	IM	81	6	UM	
4	09-Aug-00	RB	IM	101	11.2	UM	
4	09-Aug-00	CH	IM	94	11.9	UM	
4	09-Aug-00	CH	IM	79	6	UM	
4	09-Aug-00	RB	IM	100	10.5	UM	
4	09-Aug-00	CH	IM	78	5.4	UM	
4	09-Aug-00	RB	IM	91	7.9	UM	
4	09-Aug-00	CH	IM	78	6.2	UM	
4	09-Aug-00	CH	IM	82	6	UM	
4	09-Aug-00	CO	IM	74	4.7	UM	
4	09-Aug-00	CH	IM	127	27.5	UM	
4	09-Aug-00	RB	IM	119	17.7	UM	
4	09-Aug-00	RB	IM	116	16.3	UM	
4	09-Aug-00	RB	IM	113	15.8	UM	
4	09-Aug-00	RB	IM	102	11	UM	
4	09-Aug-00	RB	IM	83	5.7	UM	
4	09-Aug-00	RB	IM	100	10.3	UM	
4	09-Aug-00	RB	IM	80	5.4	UM	
4	09-Aug-00	RB	IM	77	4.7	UM	
4	09-Aug-00	RB	IM	76	5	UM	
4	09-Aug-00	RB	IM	75	4.8	UM	
4	09-Aug-00	RB	IM	89	7.9	UM	

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
4	09-Aug-00	RB	IM	94	8.2	UM	
4	09-Aug-00	WSU	IM	104	11.9	UM	
4	09-Aug-00	CH	IM	84	6.4	UM	
4	09-Aug-00	RB	IM	92	8.4	UM	
4	09-Aug-00	CH	IM	76	5.4	UM	
4	09-Aug-00	CH	IM	74	4.8	UM	
4	09-Aug-00	CH	IM	73	4.5	UM	
4	09-Aug-00	CH	IM	76	4.9	UM	
4	09-Aug-00	CH	IM	75	4.8	UM	
4	09-Aug-00	CO	IM	68	3.8	UM	
4	09-Aug-00	CH	IM	79	5.7	UM	
4	09-Aug-00	CH	IM	74	5.1	UM	
4	09-Aug-00	RB	IM	95	9.6	UM	
4	09-Aug-00	RB	IM	90	8.1	UM	
4	09-Aug-00	RB	IM	93	8.7	UM	2 large Rainbow Trout were released due to stress
4	09-Aug-00	RB	IM	90	7.4	UM	
4	09-Aug-00	RB	IM	91	7.9	UM	
4	09-Aug-00	RB	IM	85	6.8	UM	
4	09-Aug-00	RB	IM	106	11.7	UM	
4	09-Aug-00	RB	IM	108	12.8	UM	
4	09-Aug-00	RB	IM	90	7.7	UM	
4	09-Aug-00	CH	IM	119	19	UM	
4	09-Aug-00	RB	IM	94	8.4	UM	
4	09-Aug-00	RB	IM	82	6.4	UM	
4	09-Aug-00	RB	IM	94	8.5	UM	
4	09-Aug-00	RB	IM	45	0.9	UM	
4	09-Aug-00	RB	IM	90	8	UM	
4	09-Aug-00	RB	IM	90	7.3	UM	
4	09-Aug-00	RB	IM	92	9.1	UM	
4	09-Aug-00	RB	IM	104	12.6	UM	
4	09-Aug-00	RB	IM	82	6.5	UM	
4	09-Aug-00	RB	IM	82	6.5	UM	
4	09-Aug-00	RB	IM	88	6.9	UM	
4	09-Aug-00	RB	IM	88	7.3	UM	
4	09-Aug-00	RB	IM	80	5.2	UM	
4	09-Aug-00	RB	IM	94	8	UM	
4	09-Aug-00	WSU	IM	109	13.4	UM	
4	09-Aug-00	WSU	IM	99	8.8	UM	
4	09-Aug-00	WSU	IM	118	16.6	UM	
4	09-Aug-00	WSU	IM	100	11.5	UM	
4	09-Aug-00	WSU	IM	129	25.8	UM	
4	09-Aug-00	CH	IM	111	18.1	UM	
4	09-Aug-00	CH	IM	87	8.1	UM	
4	09-Aug-00	CH	IM	80	6.3	UM	
4	09-Aug-00	CH	IM	111	19.1	UM	
4	09-Aug-00	CH	IM	76	6	UM	

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
4	09-Aug-00	CH	IM	81	6	UM	
4	09-Aug-00	CH	IM	77	5.6	UM	
4	09-Aug-00	CH	IM	79	5.8	UM	
4	09-Aug-00	CH	IM	88	7.8	UM	
4	09-Aug-00	CH	IM	76	5.2	UM	
4	09-Aug-00	CH	IM	82	7.4	UM	
4	09-Aug-00	CH	IM	80	6.1	UM	
4	09-Aug-00	RB	IM	136	26	UM	
4	09-Aug-00	RB	IM	102	10.6	UM	
4	09-Aug-00	RB	IM	94	9.1	UM	
4	09-Aug-00	RB	IM	91	8.4	UM	
4	09-Aug-00	RB	IM	130	21.9	UM	
4	09-Aug-00	RB	IM	127	20.5	UM	
5	12-Aug-00						No fish
6	17-Aug-00						No fish
7	24-Aug-00	CO	IM	99	11.1	AD	Site 4/ G Trap #1
7	24-Aug-00	RB	IM	116	16.4	UM	Site 4/ G Trap #1
7	24-Aug-00	RB	IM	93	9.8	UM	Site 4/ G Trap #1
7	24-Aug-00	RB	IM	90	7.5	UM	Site 4/ G Trap #1
7	24-Aug-00	RB	IM	108	14.3	UM	Site 4/ G Trap #1
7	24-Aug-00	RB	IM	121	17.6	UM	Site 4/ G Trap #2
7	24-Aug-00	RB	IM	84	6.2	UM	Site 4/ G Trap #2
7	24-Aug-00	CH	IM	75	4.9	UM	Site 4/ G Trap #2
7	24-Aug-00	CH	IM	75	4.6	UM	Site 4/ G Trap #2
7	24-Aug-00	CH	IM	78	5.8	UM	Site 4/ G Trap #2
7	24-Aug-00	CH	IM	78	4.4	UM	Site 4/ G Trap #2
7	24-Aug-00	RB	IM	135	25.8	UM	Site 4/ G Trap #3
7	24-Aug-00	RB	IM	96	9.5	UM	Site 4/ G Trap #3
7	24-Aug-00	RB	IM	85	6.8	UM	Site 4/ G Trap #3
7	24-Aug-00	RB	IM	126	18.6	UM	Site 4/ G Trap #3
7	24-Aug-00	CH	IM	82	6.4	UM	Site 4/ G Trap #4
7	24-Aug-00	RB	IM	142	29.9	UM	Site 4/ G Trap #4
7	24-Aug-00	RB	IM	102	12	UM	Site 4/ G Trap #4
7	24-Aug-00	RB	IM	136	26.8	UM	Site 4/ G Trap #4
7	24-Aug-00	RB	IM	100	11.7	UM	Site 4/ G Trap #4
7	24-Aug-00	RB	IM	121	17	UM	Site 4/ G Trap #4
7	24-Aug-00	RB	IM	87	7.6	UM	Site 4/ G Trap #4
7	24-Aug-00						No fish found in Site 4 G Trap #5/ Bait gone
7	24-Aug-00	RB	IM	139	24	UM	Site 4/ G Trap #6
7	24-Aug-00	RB	IM	128	20	UM	Site 4/ G Trap #6
7	24-Aug-00	CH	IM	186	7.8	UM	Site 4/ G Trap #6
7	24-Aug-00	LNC	MT	99	10	UM	Site 5/ G Trap #1
7	24-Aug-00	RB	IM	111	13.1	UM	Site 5/ G Trap #1
7	24-Aug-00	RB	IM	95	9.1	UM	Site 5/ G Trap #1
7	24-Aug-00	RB	IM	130	22.2	UM	Site 5/ G Trap #1
7	24-Aug-00	RB	IM	96	9.2	UM	Site 5/ G Trap #1

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
7	24-Aug-00	CO	IM	95	9.2	UM	Site 5/ G Trap #1
7	24-Aug-00	CO	IM	95	6.9	UM	Site 5/ G Trap #1
7	24-Aug-00	CO	IM	96	6.3	UM	Site 5/ G Trap #1
7	24-Aug-00	RB	IM	134	26	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	90	8.3	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	86	7.4	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	56	1.9	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	58	2.4	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	56	2.1	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	53	1.6	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	54	2.2	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	50	1.4	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	55	2	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	69	3.9	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	56	2.1	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	68	3.5	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	57	2.1	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	57	2	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	55	1.9	UM	Site 5/ G Trap #2
7	24-Aug-00	CO	IM	54	1.9	UM	Site 5/ G Trap #2
7	24-Aug-00	RB	IM	112	15.8	UM	Site 5/ G Trap #3
7	24-Aug-00	RB	IM	106	13.2	UM	Site 5/ G Trap #3
7	24-Aug-00	RB	IM	130	23.2	UM	Site 5/ G Trap #3
7	24-Aug-00	RB	IM	157	37.1	UM	Site 5/ G Trap #3
7	24-Aug-00	RB	IM	127	23	UM	Site 5/ G Trap #3
7	24-Aug-00	CO	IM	102	11.4	UM	Site 5/ G Trap #3
7	24-Aug-00	CH	IM	63	9.5	UM	Site 5/ G Trap #3
7	24-Aug-00	CO	IM	82	6	UM	Site 5/ G Trap #3
7	24-Aug-00	CO	IM	83	6.7	UM	Site 5/ G Trap #3
7	24-Aug-00	CH	IM	87	6.8	UM	Site 5/ G Trap #3
7	24-Aug-00	CO	IM	92	8.7	UM	Site 5/ G Trap #3
7	24-Aug-00	CH	IM	64	3.7	UM	Site 5/ G Trap #3
7	24-Aug-00	CAS	IM	93	10.4	UM	Site 5/ G Trap #3/ CA= Cottus Asper
7	24-Aug-00	RB	IM	128	22.8	UM	Site 5/ G Trap #4
7	24-Aug-00	RB	IM	112	15	UM	Site 5/ G Trap #4
7	24-Aug-00	RB	IM	83	7	UM	Site 5/ G Trap #4
7	24-Aug-00	RB	IM	86	7.1	UM	Site 5/ G Trap #4
7	24-Aug-00	RB	IM	85	7.2	UM	Site 5/ G Trap #4
7	24-Aug-00	RB	IM	71	4.1	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	105	11.9	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	91	7.4	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	95	9.9	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	83	5.9	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	86	7.1	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	69	4.2	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	60	2.9	UM	Site 5/ G Trap #4

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
7	24-Aug-00	CO	IM	55	2.2	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	61	2.6	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	52	1.9	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	55	1.8	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	54	1.5	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	56	2.3	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	55	1.9	UM	Site 5/ G Trap #4
7	24-Aug-00	CO	IM	59	2.5	UM	Site 5/ G Trap #4
7	24-Aug-00	RB	IM	128	19	UM	Site 5/ G Trap #5
7	24-Aug-00	RB	IM	121	22	UM	Site 5/ G Trap #5
7	24-Aug-00	CH	IM	67	3.8	UM	Site 5/ G Trap #5
7	24-Aug-00	CO	IM	51	2	UM	Site 5/ G Trap #5
7	24-Aug-00	CO	IM	53	1.6	UM	Site 5/ G Trap #5
7	24-Aug-00	RB	IM	127	20.9	UM	Site 5/ G Trap #6
7	24-Aug-00	RB	IM	131	21.1	UM	Site 5/ G Trap #6
7	24-Aug-00	RB	IM	116	18.1	UM	Site 5/ G Trap #6
7	24-Aug-00	CO	IM	91	9.3	UM	Site 5/ G Trap #6
7	24-Aug-00	RB	IM	71	4	UM	Site 5/ G Trap #6
7	24-Aug-00	CO	IM	81	7	UM	Site 5/ G Trap #6
8	30-Aug-00	CO	IM	84	6.8	UM	Site 4/ G Trap #1
8	30-Aug-00	CH	IM	77	5.5	UM	Site 4/ G Trap #1
8	30-Aug-00	CO	IM	69	4.1	UM	Site 4/ G Trap #1
8	30-Aug-00	LNC	IM	55	1.9	UM	Site 4/ G Trap #1
8	30-Aug-00	CH	IM	76	5.3	UM	Site 4/ G Trap #1
8	30-Aug-00	CH	IM	82	6.5	UM	Site 4/ G Trap #1
8	30-Aug-00	CH	IM	72	5.2	UM	Site 4/ G Trap #1
8	30-Aug-00	RB	IM	89	7.1	UM	Site 4/ G Trap #1
8	30-Aug-00	CH	IM	76	5	UM	Site 4/ G Trap #1
8	30-Aug-00	CH	IM	75	5	UM	Site 4/ G Trap #1
8	30-Aug-00	RB	IM	134	24.2	UM	Site 4/ G Trap #2
8	30-Aug-00	RB	IM	145	23.2	UM	Site 4/ G Trap #2
8	30-Aug-00	RB	IM	121	16.4	RECAP	Site 4/ G Trap #2
8	30-Aug-00	RB	IM	91	8.5	UM	Site 4/ G Trap #3
8	30-Aug-00	RB	IM	96	9.7	UM	Site 4/ G Trap #3
8	30-Aug-00	RB	IM	94	10.2	RECAP	Site 4/ G Trap #3
8	30-Aug-00	CH	IM	84	6.5	UM	Site 4/ G Trap #3
8	30-Aug-00	CH	IM	80	5.1	UM	Site 4/ G Trap #3
8	30-Aug-00	CH	IM	70	4.3	UM	Site 4/ G Trap #3
8	30-Aug-00	CH	IM	73	4.4	UM	Site 4/ G Trap #3
8	30-Aug-00	CH	IM	71	4.1	UM	Site 4/ G Trap #3
8	30-Aug-00	CO	IM	70	3.6	UM	Site 4/ G Trap #3
8	30-Aug-00	RB	IM	99	10.5	UM	Site 4/ G Trap #4
8	30-Aug-00	RB	IM	89	6.9	UM	Site 4/ G Trap #4
8	30-Aug-00	RB	IM	100	10.7	UM	Site 4/ G Trap #4
8	30-Aug-00	CH	IM	84	7.2	UM	Site 4/ G Trap #4
8	30-Aug-00	RB	IM	87	6.9	UM	Site 4/ G Trap #4

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
8	30-Aug-00	RB	IM	90	8	RECAP	Site 4/ G Trap #4
8	30-Aug-00	CH	IM	72	4.5	UM	Site 4/ G Trap #4
8	30-Aug-00	CH	IM	75	5.3	UM	Site 4/ G Trap #4
8	30-Aug-00	RB	IM	136	23	UM	Site 4/ G Trap # 5
8	30-Aug-00	CO	IM	108	12.5	AD	Site 4/ G Trap # 5
8	30-Aug-00	CH	IM	73	4.1	UM	Site 4/ G Trap # 5
8	30-Aug-00	RB	IM	103	11.9	UM	Site 4/ G Trap # 5
8	30-Aug-00	RB	IM	88	7.8	RECAP	Site 4/ G Trap # 5
8	30-Aug-00	CO	IM	100	10.8	ADRECAP	Site 4/ G Trap # 5
8	30-Aug-00	RB	IM	139	25.8	UM	Site 4/ G Trap # 6
8	30-Aug-00	RB	IM	140	24.9	RECAP	Site 4/ G Trap # 6
8	30-Aug-00	RB	IM	86	7	UM	Site 4/ G Trap # 6
8	30-Aug-00	RB	IM	90	7.9	UM	Site 4/ G Trap # 6
8	30-Aug-00	RB	IM	91	8.4	UM	Site 4/ G Trap # 6
8	30-Aug-00	RB	IM	78	4.8	UM	Site 4/ G Trap # 6
8	30-Aug-00	RB	IM	90	8.4	UM	Site 4/ G Trap # 6
8	30-Aug-00	RB	IM	86	7.4	UM	Site 4/ G Trap # 6
8	30-Aug-00	RB	IM	76	5	UM	Site 5/ G Trap #1
8	30-Aug-00	RB	IM	90	7.6	UM	Site 5/ G Trap #1
8	30-Aug-00	RB	IM	68	3.7	UM	Site 5/ G Trap #1
8	30-Aug-00	RB	IM	133	25.5	UM	Site 5/ G Trap #1
8	30-Aug-00	RB	IM	135	25.1	UM	Site 5/ G Trap #1
8	30-Aug-00	RB	IM	113	14.6	RECAP	Site 5/ G Trap #1
8	30-Aug-00	RB	IM	85	6.4	UM	Site 5/ G Trap #1
8	30-Aug-00	RB	IM	84	5.7	UM	Site 5/ G Trap #1
8	30-Aug-00	CO	IM	95	8.8	UM	Site 5/ G Trap #1
8	30-Aug-00	CH	IM	91	8.8	UM	Site 5/ G Trap #1
8	30-Aug-00	CH	IM	65	3.1	UM	Site 5/ G Trap #1
8	30-Aug-00	CO	IM	95	8.2	UM	Site 5/ G Trap #1
8	30-Aug-00	CO	IM	92	8.4	RECAP	Site 5/ G Trap #1
8	30-Aug-00	CO	IM	91	7.9	UM	Site 5/ G Trap #1
8	30-Aug-00	CO	IM	60	2.4	UM	Site 5/ G Trap #1
8	30-Aug-00	CO	IM	65	3.4	UM	Site 5/ G Trap #1
8	30-Aug-00	RB	IM	84	6.6	RECAP	Site 5/ G Trap #2
8	30-Aug-00	CH	IM	72	4.4	UM	Site 5/ G Trap #2
8	30-Aug-00	CO	IM	78	5.2	UM	Site 5/ G Trap #2
8	30-Aug-00	CO	IM	80	6.1	UM	Site 5/ G Trap #2
8	30-Aug-00	CO	IM	56	2.5	UM	Site 5/ G Trap #2
8	30-Aug-00	CO	IM	56	2	UM	Site 5/ G Trap #2
8	30-Aug-00	RB	IM	72	4.3	UM	Site 5/ G Trap #2
8	30-Aug-00	RB	IM	107	12.2	RECAP	Site 5/ G Trap #3
8	30-Aug-00	RB	IM	87	6.9	UM	Site 5/ G Trap #3
8	30-Aug-00	RB	IM	98	9.5	RECAP	Site 5/ G Trap #3
8	30-Aug-00	RB	IM	85	7	UM	Site 5/ G Trap #3
8	30-Aug-00	CH	IM	71	3.9	UM	Site 5/ G Trap #3
8	30-Aug-00	CO	IM	82	5.7	UM	Site 5/ G Trap #3

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
8	30-Aug-00	CH	IM	61	2.5	UM	Site 5/ G Trap #3
8	30-Aug-00	RB	IM	131	20.4	RECAP	Site 5/ G Trap #4
8	30-Aug-00	RB	IM	123	19.2	RECAP	Site 5/ G Trap #4
8	30-Aug-00	RB	IM	131	23.4	UM	Site 5/ G Trap #4
8	30-Aug-00	RB	IM	136	23.8	UM	Site 5/ G Trap #4
8	30-Aug-00	RB	IM	144	31.3	UM	Site 5/ G Trap #4
8	30-Aug-00	RB	IM	78	5.2	UM	Site 5/ G Trap #4
8	30-Aug-00	CO	IM	93	8.5	UM	Site 5/ G Trap #4
8	30-Aug-00	CH	IM	67	3.3	UM	Site 5/ G Trap #4
8	30-Aug-00	CO	IM	80	5.6	UM	Site 5/ G Trap #4
8	30-Aug-00	CO	IM	83	6.8	UM	Site 5/ G Trap #4
8	30-Aug-00	CO	IM	78	5.3	UM	Site 5/ G Trap #4
8	30-Aug-00	CO	IM	72	4.8	UM	Site 5/ G Trap #4
8	30-Aug-00	RB	IM	128	18.5	RECAP	Site 5/ G Trap #5
8	30-Aug-00	RB	IM	97	9.4	RECAP	Site 5/ G Trap #5
8	30-Aug-00	RB	IM	110	14.6	UM	Site 5/ G Trap #5
8	30-Aug-00	RB	IM	116	16	UM	Site 5/ G Trap #5
8	30-Aug-00	RB	IM	93	8	UM	Site 5/ G Trap #5
8	30-Aug-00	CO	IM	96	8.8	UM	Site 5/ G Trap #5
8	30-Aug-00	CO	IM	86	6.6	UM	Site 5/ G Trap #5
8	30-Aug-00	CO	IM	92	9	UM	Site 5/ G Trap #5
8	30-Aug-00	CO	IM	91	8.4	UM	Site 5/ G Trap #5
8	30-Aug-00	CO	IM	87	7.6	UM	Site 5/ G Trap #5
8	30-Aug-00	CO	IM	91	8.1	UM	Site 5/ G Trap #5
8	30-Aug-00	CO	IM	86	6.6	UM	Site 5/ G Trap #5
8	30-Aug-00	RB	IM	75	4.8	UM	Site 5/ G Trap #5
8	30-Aug-00	CH	IM	76	5.1	UM	Site 5/ G Trap #5
8	30-Aug-00	RB	IM	80	5.5	UM	Site 5/ G Trap #5
8	30-Aug-00	CH	IM	78	4	UM	Site 5/ G Trap #5
8	30-Aug-00	CO	IM	54	2.2	UM	Site 5/ G Trap #5
8	30-Aug-00	CH	IM	64	3	UM	Site 5/ G Trap #5
8	30-Aug-00	CO	IM	55	1.7	UM	Site 5/ G Trap #5
8	30-Aug-00	CO	IM	51	1.6	UM	Site 5/ G Trap #5
8	30-Aug-00	RB	IM	78	5.3	UM	Site 5/ G Trap #6
8	30-Aug-00	RB	IM	75	4.3	UM	Site 5/ G Trap #6
8	30-Aug-00	RB	IM	140	27.3	UM	Site 5/ G Trap #6
8	30-Aug-00	RB	IM	130	21	UM	Site 5/ G Trap #6
8	30-Aug-00	RB	IM	85	7.2	UM	Site 5/ G Trap #6
8	30-Aug-00	RB	IM	75	4.3	UM	Site 5/ G Trap #6
8	30-Aug-00	RB	IM	92	8.1	UM	Site 5/ G Trap #6
8	30-Aug-00	CO	IM	96	9.7	UM	Site 5/ G Trap #6
8	30-Aug-00	CH	IM	94	10.3	UM	Site 5/ G Trap #6
8	30-Aug-00	CO	IM	90	7.8	UM	Site 5/ G Trap #6
8	30-Aug-00	CH	IM	83	6.7	UM	Site 5/ G Trap #6
8	30-Aug-00	CO	IM	82	5.8	UM	Site 5/ G Trap #6
8	30-Aug-00	CO	IM	86	7	RECAP	Site 5/ G Trap #6

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
8	30-Aug-00	CO	IM	54	1.6	UM	Site 5/ G Trap #6
8	30-Aug-00	CH	IM	61	3.2	UM	Site 5/ G Trap #6
8	30-Aug-00	CO	IM	85	6.7	UM	Site 5/ G Trap #6
9	06-Sep-00	CH	IM	77	5.4	UM	
9	06-Sep-00	RB	IM	154	33.5	UM	
9	06-Sep-00	RB	IM	113	15.1	UM	
9	06-Sep-00	RB	IM	124	16.4	UM	
9	06-Sep-00	RB	IM	89	8.3	UM	
9	06-Sep-00	RB	IM	94	9	UM	
9	06-Sep-00	RB	IM	94	8.7	UM	
9	06-Sep-00	RB	IM	91	8.1	UM	
9	06-Sep-00	RB	IM	86	6.4	UM	
9	06-Sep-00	RB	IM	92	7.8	UM	
9	06-Sep-00	RB	IM	74	4.3	UM	
9	06-Sep-00	RB	IM	58	2	UM	
9	06-Sep-00	RB	IM	56	1.7	UM	
9	06-Sep-00	RB	IM	61	2.3	UM	
9	06-Sep-00	RB	IM	54	1.6	UM	
9	06-Sep-00	RB	IM	50	1.2	UM	
9	06-Sep-00	RB	IM	60	2.2	UM	
9	06-Sep-00	RB	IM	56	1.8	UM	
9	06-Sep-00	RB	IM	61	2.3	UM	
9	06-Sep-00	RB	IM	60	2.1	UM	
9	06-Sep-00	RB	IM	52	1.4	UM	
9	06-Sep-00	RB	IM	46	0.9	UM	
9	06-Sep-00	RB	IM	53	1.4	UM	
9	06-Sep-00	RB	IM	58	2	UM	
9	06-Sep-00	RB	IM	46	0.9	UM	
9	06-Sep-00	RB	IM	45	0.8	UM	
9	06-Sep-00	RB	IM	55	1.5	UM	
10	08-Sep-00	RB	IM	188	74	UM	
10	08-Sep-00	RB	IM	183	69.3	UM	
10	08-Sep-00	RB	IM	137	23.6	RECAP	
10	08-Sep-00	RB	IM	141	27.4	UM	
10	08-Sep-00	CH	IM	81	5.9	UM	
10	08-Sep-00	CH	IM	75	4.6	UM	
10	08-Sep-00	CH	IM	86	6.8	UM	
10	08-Sep-00	CH	IM	74	4.2	UM	
10	08-Sep-00	RB	IM	56	1.8	UM	
10	08-Sep-00	RB	IM	75	4.4	UM	
10	08-Sep-00	RB	IM	98	10.5	UM	
10	08-Sep-00	RB	IM	108	12	UM	
10	08-Sep-00	RB	IM	101	10.9	UM	
10	08-Sep-00	RB	IM	96	9.3	UM	
10	08-Sep-00	RB	IM	90	7.4	UM	
10	08-Sep-00	RB	IM	88	6.8	UM	

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
10	08-Sep-00	CH	IM	74	4.5	UM	
10	08-Sep-00	RB	IM	106	11.8	UM	
10	08-Sep-00	RB	IM	95	9.3	UM	
10	08-Sep-00	RB	IM	83	6.2	UM	
10	08-Sep-00	RB	IM	84	5.5	UM	
10	08-Sep-00	RB	IM	85	6.5	UM	
10	08-Sep-00	RB	IM	91	7	UM	
10	08-Sep-00	RB	IM	83	5.9	UM	
10	08-Sep-00	RB	IM	59	2.1	UM	
10	08-Sep-00	RB	IM	90	8.8	UM	
10	08-Sep-00	RB	IM	84	6	UM	
10	08-Sep-00	CH	IM	63	2.6	UM	
10	08-Sep-00	RB	IM	87	6.6	UM	
10	08-Sep-00	RB	IM	86	6.5	UM	
10	08-Sep-00	RB	IM	61	2.5	UM	
10	08-Sep-00	RB	IM	59	1.9	UM	
10	08-Sep-00	RB	IM	54	1.5	UM	
10	08-Sep-00	RB	IM	58	2.3	UM	
10	08-Sep-00	CH	IM	83	5.9	UM	
10	08-Sep-00	CO	IM	69	3.6	UM	
10	08-Sep-00	CH	IM	74	4.7	UM	
10	08-Sep-00	CO	IM	76	5	UM	
10	08-Sep-00	CH	IM	83	6.5	UM	
10	08-Sep-00	CO	IM	76	4.8	UM	
10	08-Sep-00	CO	IM	68	3.3	UM	
10	08-Sep-00	CH	IM	76	5	UM	
10	08-Sep-00	CO	IM	74	4.5	UM	
10	08-Sep-00	CH	IM	76	5	UM	
10	08-Sep-00	CH	IM	85	6.6	UM	
10	08-Sep-00	CH	IM	76	5.3	UM	
10	08-Sep-00	CH	IM	76	4.9	UM	
10	08-Sep-00	CH	IM	75	5	UM	
10	08-Sep-00	CH	IM	89	8.3	UM	
10	08-Sep-00	CH	IM	74	4.7	UM	
10	08-Sep-00	CH	IM	74	4.7	UM	
10	08-Sep-00	RB	IM	97	9.7	UM	
10	08-Sep-00	RB	IM	91	7.4	UM	
10	08-Sep-00	RB	IM	123	18.2	UM	
10	08-Sep-00	RB	IM	114	14.7	UM	
10	08-Sep-00	RB	IM	103	11.5	UM	
10	08-Sep-00	RB	IM	133	23.6	UM	
10	08-Sep-00	RB	IM	122	17.6	UM	
10	08-Sep-00	RB	IM	126	19.7	UM	
10	08-Sep-00	RB	IM	101	10.8	UM	
10	08-Sep-00	RB	IM	94	8.6	UM	
10	08-Sep-00	RB	IM	91	7.9	UM	

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
10	08-Sep-00	RB	IM	109	14	UM	
10	08-Sep-00	RB	IM	85	7.5	UM	
10	08-Sep-00	RB	IM	93	9.4	UM	
10	08-Sep-00	RB	IM	93	8.9	UM	
10	08-Sep-00	RB	IM	84	6.2	UM	
10	08-Sep-00	RB	IM	92	8.3	UM	
10	08-Sep-00	RB	IM	101	10.2	UM	
10	08-Sep-00	RB	IM	93	9.8	UM	
10	08-Sep-00	RB	IM	93	8	UM	
10	08-Sep-00	RB	IM	96	9.3	UM	
10	08-Sep-00	RB	IM	97	9.3	UM	
10	08-Sep-00	RB	IM	97	9.8	UM	
10	08-Sep-00	RB	IM	86	6.8	UM	
10	08-Sep-00	RB	IM	92	8.2	UM	
10	08-Sep-00	RB	IM	94	9.4	UM	
10	08-Sep-00	RB	IM	85	6.6	UM	
10	08-Sep-00	RB	IM	89	7.5	UM	
10	08-Sep-00	RB	IM	82	5.7	UM	
10	08-Sep-00	RB	IM	82	5.8	UM	
10	08-Sep-00	RB	IM	77	4.4	UM	
10	08-Sep-00	RB	IM	79	5.7	UM	
10	08-Sep-00	RB	IM	76	5.2	UM	
10	08-Sep-00	RB	IM	59	2.1	UM	
10	08-Sep-00	RB	IM	54	1.6	UM	
10	08-Sep-00	RB	IM	81	5.4	UM	
10	08-Sep-00	RB	IM	64	2.8	UM	
10	08-Sep-00	RB	IM	61	2.5	UM	
10	08-Sep-00	RB	IM	62	2.4	UM	
10	08-Sep-00	RB	IM	59	2	UM	
10	08-Sep-00	RB	IM	51	1.4	UM	
10	08-Sep-00	RB	IM	56	1.8	UM	
10	08-Sep-00	RB	IM	47	1.2	UM	
11	12-Sep-00	CH	IM	84	7.2	UM	
11	12-Sep-00	CH	IM	87	7.4	UM	
11	12-Sep-00	CH	IM	86	7.3	UM	
11	12-Sep-00	CH	IM	79	5.4	UM	
11	12-Sep-00	CH	IM	84	7.2	UM	
11	12-Sep-00	CH	IM	86	6.8	UM	
11	12-Sep-00	CH	IM	78	5.7	UM	
11	12-Sep-00	CH	IM	73	4.5	UM	
11	12-Sep-00	RB	IM	95	8.9	UM	
11	12-Sep-00	RB	IM	126	20.9	UM	
11	12-Sep-00	RB	IM	152	35.1	UM	
11	12-Sep-00	RB	IM	151	31.6	UM	
11	12-Sep-00	RB	IM	141	26.8	UM	
11	12-Sep-00	RB	IM	131	23.3	UM	

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
11	12-Sep-00	RB	IM	112	14.7	UM	
11	12-Sep-00	RB	IM	112	11.2	UM	
11	12-Sep-00	RB	IM	86	6.9	UM	
11	12-Sep-00	RB	IM	99	10.2	UM	
11	12-Sep-00	RB	IM	101	11.3	UM	
11	12-Sep-00	RB	IM	107	14.3	UM	
11	12-Sep-00	RB	IM	114	15.1	UM	
11	12-Sep-00	RB	IM	106	12	UM	
11	12-Sep-00	RB	IM	55	1.6	UM	
11	12-Sep-00	RB	IM	88	7.4	UM	
11	12-Sep-00	RB	IM	54	1.7	UM	
11	12-Sep-00	RB	IM	63	2.4	UM	
11	12-Sep-00	CH	IM	88	7.3	UM	
11	12-Sep-00	CH	IM	76	5	UM	
11	12-Sep-00	CH	IM	72	4.1	UM	
11	12-Sep-00	CH	IM	79	5.4	UM	
11	12-Sep-00	CH	IM	77	5.3	UM	
11	12-Sep-00	CH	IM	79	5.6	UM	
11	12-Sep-00	CH	IM	85	7.6	UM	
11	12-Sep-00	CH	IM	80	6.3	UM	
11	12-Sep-00	CH	IM	78	6	UM	
11	12-Sep-00	CH	IM	75	4.6	UM	
11	12-Sep-00	CH	IM	76	5.2	UM	
11	12-Sep-00	CH	IM	75	4.5	UM	
11	12-Sep-00	RB	IM	174	50.5	UM	
11	12-Sep-00	RB	IM	150	35.6	UM	
11	12-Sep-00	RB	IM	147	30.3	UM	
11	12-Sep-00	RB	IM	130	22	UM	
11	12-Sep-00	RB	IM	144	31.4	UM	
11	12-Sep-00	RB	IM	146	28.2	UM	
11	12-Sep-00	RB	IM	114	14.7	RECAP	
11	12-Sep-00	RB	IM	117	16.7	UM	
11	12-Sep-00	RB	IM	112	13.5	UM	
11	12-Sep-00	RB	IM	105	12	UM	
11	12-Sep-00	RB	IM	105	11.7	UM	
11	12-Sep-00	RB	IM	100	9.8	UM	
11	12-Sep-00	RB	IM	109	14.1	UM	
11	12-Sep-00	RB	IM	106	12.3	UM	
11	12-Sep-00	RB	IM	101	10.4	UM	
11	12-Sep-00	RB	IM	96	9.6	UM	
11	12-Sep-00	RB	IM	103	12.1	UM	
11	12-Sep-00	RB	IM	91	7.5	UM	
11	12-Sep-00	RB	IM	82	6	UM	
11	12-Sep-00	RB	IM	90	8	UM	
11	12-Sep-00	RB	IM	66	3.2	UM	
12	15-Sep-00	CH	IM	86	7.6	UM	

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
12	15-Sep-00	CH	IM	88	7.9	UM	
12	15-Sep-00	CH	IM	74	6.4	UM	
12	15-Sep-00	CH	IM	79	6.1	UM	
12	15-Sep-00	CH	IM	78	5.3	UM	
12	15-Sep-00	CH	IM	77	5.5	UM	
12	15-Sep-00	RB	IM	98	10.5	UM	
12	15-Sep-00	RB	IM	151	32.4	UM	
12	15-Sep-00	CH	IM	83	6.5	UM	
12	15-Sep-00	CH	IM	85	7.5	UM	
12	15-Sep-00	RB	IM	85	7	UM	
12	15-Sep-00	RB	IM	101	11.1	UM	
12	15-Sep-00	RB	IM	82	6.5	UM	
12	15-Sep-00	RB	IM	95	9	UM	
12	15-Sep-00	RB	IM	118	17.5	UM	
12	15-Sep-00	RB	IM	103	12.2	UM	
12	15-Sep-00	RB	IM	94	9.4	UM	
12	15-Sep-00	RB	IM	102	11.6	UM	
12	15-Sep-00	RB	IM	95	9.4	UM	
12	15-Sep-00	RB	IM	83	6.1	UM	
12	15-Sep-00	RB	IM	91	7.5	UM	
12	15-Sep-00	RB	IM	66	2.7	UM	
12	15-Sep-00	RB	IM	58	1.9	UM	
13	19-Sep-00	CH	IM	83	6.8	UM	
13	19-Sep-00	CH	IM	85	7.7	UM	
13	19-Sep-00	CH	IM	81	6.5	UM	
13	19-Sep-00	CH	IM	82	6.4	UM	
13	19-Sep-00	CH	IM	85	7.5	UM	
13	19-Sep-00	CH	IM	85	7	UM	
13	19-Sep-00	CH	IM	85	6.8	UM	
13	19-Sep-00	CH	IM	83	6.6	UM	
13	19-Sep-00	CH	IM	77	5.2	UM	
13	19-Sep-00	CH	IM	80	6.1	UM	
13	19-Sep-00	CH	IM	77	5.5	UM	
13	19-Sep-00	CH	IM	76	5.1	UM	
13	19-Sep-00	CH	IM	82	6.6	UM	
13	19-Sep-00	CH	IM	83	6.7	UM	
13	19-Sep-00	CH	IM	80	5.1	UM	
13	19-Sep-00	CH	IM	79	5.8	UM	
13	19-Sep-00	CH	IM	85	7	UM	
13	19-Sep-00	CH	IM	80	5.6	UM	
13	19-Sep-00	RB	IM	192	85.4	RECAP	Unsure if fish immature or mature
13	19-Sep-00	RB	IM	137	24.6	UM	
13	19-Sep-00	RB	IM	144	30.1	UM	
13	19-Sep-00	RB	IM	143	27.6	UM	
13	19-Sep-00	RB	IM	151	33.5	UM	
13	19-Sep-00	RB	IM	124	20.4	UM	

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
13	19-Sep-00	RB	IM	122	19.4	UM	
13	19-Sep-00	RB	IM	109	13.4	UM	
13	19-Sep-00	RB	IM	96	9.4	UM	
13	19-Sep-00	RB	IM	107	12	UM	
13	19-Sep-00	RB	IM	91	7.3	UM	
13	19-Sep-00	RB	IM	88	7.9	UM	
13	19-Sep-00	RB	IM	90	8	UM	
13	19-Sep-00	RB	IM	60	2.7	UM	
14	20-Sep-00	CH	IM	80	5.7	UM	Chinook Scale Sample book #51390 -1
14	20-Sep-00	CH	IM	83	6.6	UM	Chinook Scale Sample book #51390 -2
14	20-Sep-00	CH	IM	80	6.1	UM	Chinook Scale Sample book #51390 -3
14	20-Sep-00	CH	IM	81	5.8	UM	Chinook Scale Sample book #51390 -4
14	20-Sep-00	CH	IM	83	6.3	UM	Chinook Scale Sample book #51390 -5
14	20-Sep-00	CH	IM	76	5.5	UM	Chinook Scale Sample book #51390 -6
14	20-Sep-00	CH	IM	77	5.2	UM	Chinook Scale Sample book #51390 -7
14	20-Sep-00	RB	IM	192	78.5	RECAP	
14	20-Sep-00	RB	IM	137	24.5	RECAP	
14	20-Sep-00	RB	IM	115	16.5	UM	
14	20-Sep-00	RB	IM	99	9.9	UM	
14	20-Sep-00	RB	IM	91	8.7	UM	
14	20-Sep-00	RB	IM	106	12.6	UM	
14	20-Sep-00	RB	IM	87	6.6	UM	
15	27-Sep-00						No fish/ Debris load heavy so drum stopped
16	06-Oct-00						No fish/ Debris/ 5 White Suckers caught
17	12-Oct-00	CO	IM	80	5.4	AD	Cluster #1= Upstream in deep 2.5-3 meter water around depth boulders. Pole # 229 "between beaver dams"/3 clusters of 4 traps were set.
17	12-Oct-00	CO	IM	80	5.5	AD	Cluster #1
17	12-Oct-00	CO	IM	80	5.3	AD	Cluster #1
17	12-Oct-00	CO	IM	102	11.2	AD	Cluster #1
17	12-Oct-00	CO	IM	76	4.7	AD	Cluster #1
17	12-Oct-00	CO	IM	83	6.2	AD	Cluster #1
17	12-Oct-00	CO	IM	78	5.6	AD	Cluster #1
17	12-Oct-00	CO	IM	98	10.1	AD	Cluster #1
17	12-Oct-00	CO	IM	73	4.6	AD	Cluster #1
17	12-Oct-00	CO	IM	78	5.6	AD	Cluster #1
17	12-Oct-00	CO	IM	82	6	AD	Cluster #1
17	12-Oct-00	CO	IM	76	4.9	AD	Cluster #1
17	12-Oct-00	CO	IM	76	5	AD	Cluster #1
17	12-Oct-00	CO	IM	79	5.4	AD	Cluster #1
17	12-Oct-00	CO	IM	82	6	AD	Cluster #1
17	12-Oct-00	CO	IM	84	7.1	AD	Cluster #1
17	12-Oct-00	CO	IM	75	5.4	AD	Cluster #1
17	12-Oct-00	CO	IM	79	5.8	AD	Cluster #1
17	12-Oct-00	CO	IM	79	5.8	AD	Cluster #1
17	12-Oct-00	CO	IM	80	6.1	AD	Cluster #1

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
17	12-Oct-00	RB	IM	64	2.9	UM	Cluster #1
17	12-Oct-00	RB	IM	99	11.4	UM	Cluster #1
17	12-Oct-00	RB	IM	89	8.8	UM	Cluster #1
17	12-Oct-00	RB	IM	105	12.6	Top Caudal	Cluster #1
17	12-Oct-00	RB	IM	114	17	UM	Cluster #1
17	12-Oct-00	RB	IM	142	30	UM	Cluster #1
17	12-Oct-00	RB	IM	137	25.9	UM	Cluster #1
17	12-Oct-00	RB	IM	106	13.4	UM	Cluster #1
17	12-Oct-00	RB	IM	89	8.5	UM	Cluster #1
17	12-Oct-00	RB	IM	81	5.6	UM	Cluster #1
17	12-Oct-00	CO	IM	110	15.7	AD	Cluster #2= in deep water approximately 2 meters depth around boulders
17	12-Oct-00	CO	IM	108	14	AD	Cluster #2
17	12-Oct-00	CO	IM	121	22.6	AD	Cluster #2
17	12-Oct-00	CO	IM	104	12.5	AD	Cluster #2
17	12-Oct-00	CO	IM	81	6.1	AD	Cluster #2
17	12-Oct-00	CO	IM	85	6.4	AD	Cluster #2
17	12-Oct-00	CO	IM	79	5.3	AD	Cluster #2
17	12-Oct-00	CO	IM	89	8	AD	Cluster #2
17	12-Oct-00	CO	IM	81	5.3	AD	Cluster #2
17	12-Oct-00	CH	IM	85	7.6	UM	Cluster #2
17	12-Oct-00	CO	IM	85	6.5	AD	Cluster #2
17	12-Oct-00	CO	IM	82	6.7	AD	Cluster #2
17	12-Oct-00	CO	IM	86	8.4	AD	Cluster #2
17	12-Oct-00	CO	IM	75	5.8	AD	Cluster #2
17	12-Oct-00	CO	IM	74	4.9	AD	Cluster #2
17	12-Oct-00	CO	IM	77	5.8	AD	Cluster #2
17	12-Oct-00	CO	IM	81	6.2	AD	Cluster #2
17	12-Oct-00	CO	IM	77	4.8	AD	Cluster #2
17	12-Oct-00	CO	IM	80	6.3	AD	Cluster #2
17	12-Oct-00	CO	IM	85	6.3	AD	Cluster #2
17	12-Oct-00	CO	IM	75	4.7	AD	Cluster #2
17	12-Oct-00	RB	IM	153	36.3	UM	Cluster #2
17	12-Oct-00	RB	IM	135	26.4	UM	Cluster #2
17	12-Oct-00	RB	IM	135	28.1	UM	Cluster #2
17	12-Oct-00	RB	IM	158	42	UM	Cluster #2
17	12-Oct-00	RB	IM	124	22.7	UM	Cluster #2
17	12-Oct-00	RB	IM	88	7.7	UM	Cluster #2
17	12-Oct-00	RB	IM	108	13.3	UM	Cluster #2
17	12-Oct-00	RB	IM	153	34.2	UM	Cluster #2
17	12-Oct-00	RB	IM	139	26.3	UM	Cluster #2
17	12-Oct-00	RB	IM	104	11.8	UM	Cluster #2
17	12-Oct-00	RB	IM	112	15.4	UM	Cluster #2
17	12-Oct-00	RB	IM	57	2.2	UM	Cluster #2
17	12-Oct-00	RB	IM	85	7.4	UM	Cluster #2
17	12-Oct-00	RB	IM	92	8.3	UM	Cluster #2

DAY	Date out	Species	Stage (IM/MT/A)	FL (mm)	Weight (g)	Marks (Ad/ADRM/ RV/UM)	Comments
17	12-Oct-00	RB	IM	59	2.3	UM	Cluster #2
17	12-Oct-00	RB	IM	83	6.4	UM	Cluster #2
17	12-Oct-00	CO	IM	81	5.8	AD	Cluster #3=set in shallow water against lower beaver dam (0.5-1 meter deep)
17	12-Oct-00	CO	IM	76	6	AD	Cluster #3
17	12-Oct-00	CO	IM	82	7.4	AD	Cluster #3
17	12-Oct-00	CO	IM	77	6.2	AD	Cluster #3
17	12-Oct-00	CO	IM	84	7	AD	Cluster #3
17	12-Oct-00	CO	IM	80	5.8	AD	Cluster #3
17	12-Oct-00	CO	IM	80	6.4	AD	Cluster #3
17	12-Oct-00	CO	IM	82	7.2	AD	Cluster #3
17	12-Oct-00	RB	IM	86	8.7	UM	Cluster #3
17	12-Oct-00	RB	IM	90	10	UM	Cluster #3
17	12-Oct-00	RB	IM	100	12.3	UM	Cluster #3
17	12-Oct-00	RB	IM	63	2.8	UM	Cluster #3
17	12-Oct-00	RB	IM	57	2.3	UM	Cluster #3
17	12-Oct-00	RB	IM	62	2.6	UM	Cluster #3
18	30-Oct-00	RB	IM	59	2	UM	
18	30-Oct-00	CH	IM	83	6.2	UM	
18	30-Oct-00	CH	IM	83	6.1	UM	
18	30-Oct-00	RB	IM	76	4.8	UM	
18	30-Oct-00	RB	IM	64	2.6	UM	
19	31-Oct-00	CH	IM	82	6	UM	
20	01-Nov-00	CH	IM	76	5.5	UM	
20	01-Nov-00	RB	IM	79	4.8	UM	
20	01-Nov-00	RB	IM	111	15.3	UM	
21	02-Nov-00	BURBOT	IM	147	62.1	UM	
21	02-Nov-00	RB	IM	54	1.4	UM	
21	02-Nov-00	LNC	IM	52	1.6	UM	
21	02-Nov-00	RB	IM	58	2	UM	
22	03-Nov-00	RB	IM	54	1.7	UM	
22	03-Nov-00	CAS	IM	N/A	N/A	UM	