

## Appendix B

McIntyre Creek- 2005/2006 Broodstock Fry Samples						
Date	Trough #	Broodstock ID	# Fry Sampled	Average Length (mm)	Average Weight (g)	Average Condition (K)
22-Apr	1	Takhini	10	38.5	0.53	0.93
	2B	Takhini	10	36.9	0.36	0.72
	2A	Tatchun (UM)	6	38.67	0.55	0.95
23-Apr	3	Tatchun	10	38.9	0.56	0.94
30-Apr	1	Takhini	10	38.3	0.46	0.82
9-May	1	Takhini	9	41.22	0.63	0.9
	2A	Tatchun (UM)	7	41.71	0.71	0.98
16-May	1	Takhini	10	42	0.68	0.9
	2A	Tatchun (UM)	10	41.8	0.7	0.95
	3	Tatchun	10	44.4	0.89	1.01
22-May	1	Takhini	10	43.4	0.77	0.93
	2A	Tatchun (UM)	10	44.4	0.79	0.9
	3	Tatchun	10	46.2	1	1
29-May	1	Takhini	15	46.07	0.89	0.9
	2A	Tatchun (UM)	10	47.2	0.96	0.92
	3	Tatchun	15	47.2	1.08	1.02
7-Jun	1	Takhini	15	46.47	1.01	1.02
	2A	Tatchun (UM)	10	48.4	1.21	1.06
	3	Tatchun	15	50.33	1.35	1.03
13-Jun	1	Takhini	15	48.67	1.22	1.01
	2A	Tatchun (UM)	10	50.7	1.35	1.03
	3	Tatchun	15	51.47	1.49	1.07
22-Jun	1	Takhini	10	48.6	1.2	1.03
	2	Takhini	10	50.4	1.28	0.99
	3	Tatchun	10	53.3	1.6	1.1
	4	Tatchun	10	51.2	1.5	1.1
17-Jul	1&2 at release	Takhini	14	55.4	1.6	0.9
19-Jul	1&2 at release	Tatchun	18	60.2	2.4	1

**Appendix C**

<b>McIntyre Coded Wire Tagging Summary 2006</b>														
		<b>BROOD</b>				<b>RELEASE</b>	<b>START</b>	<b>END</b>	<b>#</b>	<b># AD</b>	<b># UN-MARKED</b>	<b>TOTAL</b>	<b>WT.</b>	<b>THERMAL</b>
<b>PROJECT</b>	<b>SPECIES</b>	<b>YEAR</b>	<b>STOCK</b>	<b>MARK</b>	<b>STAGE</b>	<b>SITE</b>	<b>DATE</b>	<b>DATE</b>	<b>TAGGED</b>	<b>ONLY</b>	<b>(thermal)</b>	<b>REL.</b>	<b>(GM)</b>	<b>MARK</b>
McIntyre	chinook	2005	Tatchun	02-01-02-01-07	Spring Fry	Tatchun	7/6/2006	7/7/2006	9243	182	0	9425	2.4	4H
McIntyre	chinook	2005	Tatchun	02-01-02-03-03	Spring Fry	Tatchun	7/19/2006	7/24/2006	26094	847	3082	26941	2.4	4H
McIntyre	chinook	2005	Takhini	02-01-02-02-05	Spring Fry	Takhini	7/4/2006	7/10/2006	10766	748	0	11514	1.3	H5
McIntyre	chinook	2005	Takhini	02-01-02-01-09	Spring Fry	Takhini	7/5/2006	7/10/2006	10952	534	0	11486	1.6	H5
McIntyre	chinook	2005	Takhini	02-01-02-02-06	Spring Fry	Takhini	7/7/2006	7/10/2006	11108	394	0	11502	1.6	H5
McIntyre	chinook	2005	Takhini	02-01-02-03-04	Spring Fry	Takhini	7/18/2006	7/18/2006	2520	152	0	2672	1.6	H5
						Totals			70683	2857	3082	<b>73540</b>		
						Total Morts after tagging			Smalls	68	Tagged:	159		
									<b>Total Chinook released and clipped</b>			<b>73313</b>		

**Appendix D**

Tatchun Creek Fry Trapping Data 2006								
Wild Fry	L (mm)	Wt. (g.)	k		Wild Fry	L (mm)	Wt. (g.)	k
1	62	3	1.26		66	72	4.1	1.10
2	59	2.3	1.12		67	60	2.3	1.06
3	53	2.2	1.48		68	60	1.6	0.74
4	60	2.4	1.11		69	46	1	1.03
5	49	1.4	1.19		70	63	2.8	1.12
6	60	2.7	1.25		71	66	3.1	1.08
7	57	2.1	1.13		72	56	1.9	1.08
8	60	2.5	1.16		73	58	2	1.03
9	59	2.2	1.07		74	66	3.3	1.15
10	54				75	58	2.1	1.08
11	61	2.4	1.06		76	63	2.5	1.00
12	58				77	61	2.5	1.10
13	53	1.5	1.01		78	47	1.1	1.06
14	57	2.1	1.13		79	52	1.6	1.14
15	58	2.1	1.08		80	61	2.4	1.06
16	56	2	1.14		81	56		
17	47	1.2	1.16		82	62	2.6	1.09
18	51	1.4	1.06		83	56	1.9	1.08
19	53	1.5	1.01		84	49	1.3	1.10
20	65	2.8			85	52	1.3	0.92
21	58	2.1	1.08		86	66	3.3	1.15
22	56				87	63	2.5	1.00
23	64	2.8	1.07		88	65	3	1.09
24	57				89	68	3.5	1.11
25	67				90	54	1.9	1.21
26	59				91	57	2.2	1.19
27	62	2.7	1.13		92	58	2.2	1.13
28	61	2.5	1.10		93	54	1.8	1.14
29	56	2.4	1.37		94	56	1.9	1.08
30	44	0.9	1.06		95	56	1.9	1.08
31	52	1.6	1.14		96	62	2.4	1.01
32	58	2.4	1.23		97	55	2	1.20
33	61	2.3	1.01		98	47	1.2	1.16
34	61	2.5	1.10		99	56	1.9	1.08
35	65	3.1	1.13		100	68	3.3	1.05
36	54	1.5	0.95		101	67	3.4	1.13
37	49	1.4	1.19		102	51	1.3	0.98
38	58	2.2	1.13		103	70	3.6	1.05
39	63	2.7	1.08		104	64	3.1	1.18
40	60	2.1	0.97		105	49		
41	54	1.5	0.95		106	55	1.8	1.08
42	52	1.4	1.00		107	63	3.1	1.24
43	54	1.5	0.95		108	59	2.2	1.07
44	53	1.7	1.14		109	59	1.8	0.88
45	51	1.3	0.98		110	64	2.6	0.99
46	64	2.8	1.07		111	50	1.4	1.12
47	54	1.8	1.14		112	58	2.2	1.13
48	56	1.9	1.08		113	52	1.5	1.07
49	63	2.5	1.00		114	54	1.5	0.95
50	59	2.5	1.22		115	58	1.9	0.97
51	54	1.7	1.08		116	61	2.5	1.10
52	53	0.8	0.54		117	61	2.3	1.01
53	49	1.2	1.02		<b>Avg.</b>	<b>57.65</b>	<b>2.14</b>	<b>1.09</b>
54	57	1.8	0.97		<b>StDev</b>	<b>5.68</b>	<b>0.73</b>	<b>0.13</b>
55	62	2.7	1.13		<b>MIN</b>	<b>44</b>	<b>0.80</b>	<b>0.54</b>
56	62	2.6	1.09		<b>MAX</b>	<b>73</b>	<b>4.60</b>	<b>1.48</b>
57	62	2.2	0.92					
58	73	4.6	1.18					
59	53	1.4	0.94					
60	55	2	1.20					
61	54	1.7	1.08					
62	71	4	1.12					
63	71	3.9	1.09					
64	62	2.5	1.05					
65	52	1.3	0.92					

**Appendix E**

Flat Creek Fry Trapping Data 2006							DATE: June 23/06	
BAIT USED: Yukon River Salmon Roe			SAMPLERS: Will Brown/Ashley Fischer				Check left dorsal surface: Note "no" or record the colour	Note "W"ild or "S"chool if NOT clipped NOTE "CWT" if adipose clipped
TRAP #	TIME SET:	TIME PULLED:	SPECIES	LENGTH (MM)	WEIGHT (GM)	COMMENT		
1		14:40	SS	62	NA			
1			SS	63	NA		orange	
1			SS	48	NA			
2		14:45	SS	61	NA			
2			SS	74	NA			
2			Chnk	81	"	Scale Broke	W	
2			Chnk	84	"		CWT	
2			Chnk	92	"		CWT	
2			Chnk	89	"		CWT	
3		14:55	Chnk	90	"	Scale broke	CWT	
3			Chnk	88	"		W	
4		13:30	SS	70	NA			
4			SS	56	NA			
4			SS	65	NA			
4			SS	64	NA			
4			SS	59	NA			
4			SS	52	NA			
4			SS	58	NA			
4			SS	74	NA			
4			Chnk	58	1.7		orange S	
4			Chnk	67	2.7		orange S	
4			Chnk	60	3		orange S	
5		13:50	SS	55	NA			
5			SS	53	NA			
5			SS	47	NA			
5			SS	68	NA			
5			SS	59	NA			
5			SS	53	NA			
5			SS	55	NA			
5			Chnk	65	2.7		orange S	
5			Chnk	60	2.1		orange S	
5			Chnk	59	2.2		orange S	
5			Chnk	67	3.2		orange S	
5			Chnk	63	2.2		orange S	
5			Chnk	61	2.6		orange S	
5			Chnk	61	2.3		orange S	
5			Chnk	58	2.1		orange S	
5			Chnk	64	2.6		orange S	
6		14:10	SS	58	NA			
6			SS	51	NA			
6			SS	49	NA			
6			SS	74	NA			
6			Chnk	85	6.1		W	
7		10:30	SS	70	NA			
7			SS	71	NA			
7			SS	58	NA			
7			SS	69	NA			
7			SS	62	NA			
7			SS	62	NA			
7			SS	65	NA			
7			SS	59	NA			
8		10:50	Lk Chubb	64	NA			
8			Lk Chubb	88	NA			
8			Lk Chubb	91	NA			
8			Lk Chubb	88	NA			
8			Lk Chubb	85	NA			
8			Lk Chubb	78	NA			
8			Lk Chubb	70	NA			
8			Lk Chubb	59	NA			
8			Lk Chubb	56	NA			
8			Lk Chubb	47	NA			
9		11:19	SS	23	NA			
10		11:25	NO FISH					

## Appendix F

### Takhini River Chinook Egg Take 2006-2007 Broodstock

Aug.18

Trix, Dawna

Aug.22

Trix, Jody, Dawna

Aug.23

Dawna, Jody, William

1 female caught and kept (took eggs)

Took eggs from 1 female in holding

Aug.25

Dawna, Jody, William

1 female caught and kept (took eggs)

Aug.26

Took boat out

## Appendix G

### Tatchun Creek Chinook Egg Take 2006-2007 Broodstock

#### Aug.17

Trix, Jody, Dawna, William

1 firm female caught and held in tube

4 females caught and kept (took eggs)

10 males caught and used for broodstock (took milt) and released

Water Temps.

#### Aug.19

Dawna, William, Shirley (Yukon College volunteer)

3 females caught and kept (took eggs)

Took eggs from female in that was held in tube

10 males caught and used for broodstock and released

#### Aug.28

Dawna, RRM students

3 carcasses observed

4 spent females observed

1 female caught and kept (took eggs; >1/2 spent)

2 males caught and used for broodstock and released

Appendix I

McIntyre Thermal Marking 2006/2007											
Date	Warm Water Reservoir Temperature	Air Temperature	Time switching	Switching to: warm/cold	Trays Placed <u>INTO</u> Thermal Marking	Trays <u>TAKEN OUT</u> /back into h	ATU's <u>beginning</u> thermal mark	ATU's <u>finishing</u> thermal mark	Problems Noted	Name	Number of otolith markings
<b>TATCHUN</b>											
Nov.12	9.0	-13.0	12:00 PM	W	ALL MARKED AT ONCE				NO PROBLEMS NOTED	DH	
Nov.13	4.0	-18.0	12:00 PM	C		DH	1				
Nov.14	9.0	-24.0	12:00 PM	W		DH					
Nov.15	4.0	-23.0	12:00 PM	C		DH	2				
Nov.16	9.0	-20.0	12:00 PM	W		DH					
Nov.17	4.0	-19.0	12:00 PM	C		DH	3				
Nov.18	9.0	-20.0	12:00 PM	W		DH					
Nov.19	4.0	-17.0	12:00 PM	C		DH	4				
<b>TOTAL OTOLITH MARKS TATCHUN:</b>											
										<b>4</b>	

Date	Warm Water Reservoir Temperature	Air Temperature	Time switching	Switching to: warm/cold	Trays Placed <u>INTO</u> Thermal Marking	Trays <u>TAKEN OUT</u> /back into h	ATU's <u>beginning</u> thermal mark	ATU's <u>finishing</u> thermal mark	Problems Noted	Name	Number of otolith markings
<b>TAKHINI</b>											
Feb.28	9.0		1:30 PM	W	ALL MARKED AT ONCE				NO PROBLEMS NOTED	DH	
Mar.1	4.0		1:30 PM	C		DH	1				
Mar.2	9.0	-24.0	1:30 PM	W		DH					
Mar.3	4.0		1:30 PM	C		DH	2				
Mar.4	9.0		1:30 PM	W		DH					
Mar.5	4.0		1:30 PM	C		DH	3				
Mar.6	9.0		1:30 PM	W		DH					
Mar.7	4.0		1:30 PM	C		DH	4				
Mar.8	9.0		1:30 PM	W		DH					
Mar.9	4.0		1:30 PM	C	DH	5					
<b>TOTAL OTOLITH MARKS TAKHINI:</b>											
										<b>5</b>	

**Appendix J**

<b>Tahkini River Egg Survival 2006</b>												
Date	Female #	Total Egg vol. mL	# Eggs in measured volume	Volume of counted eggs (mL)	Calculated # eggs	Incubator egg tray	% Fert. of sample	# Eggs in fert. check sample	Estimated total # of fertile eggs	Est. # eggs picked	Est. # eggs remaining	Est. % survival of <b>green</b> eggs
22-Aug	1.0	700.0	268.0	50.0	3752	E1	90.0	10.0	3377	152.0	3600	96
22-Aug	2.0	1700.0	221.0	50.0	7514	E2	80.0	10.0	6011	217.0	7297	97
22-Aug	3.0	2100.0	216.0	50.0	9072	E3	90.0	10.0	8165	485.0	8587	95
22-Aug	4.0	1450.0	224.0	50.0	6496	E4	80.0	10.0	5197	159.0	6337	98
23-Aug	5.0	1500.0	184.0	50.0	5520	E5	80.0	10.0	4416	221.0	5299	96
23-Aug	6.0	1700.0	196.0	50.0	6664	E6	90.0	10.0	5998	279.0	6385	96
25-Aug	7.0	2100.0	210.0	50.0	8820	F1	90.0	10.0	7938	211.0	8609	98
						F2						
					<b>47838</b>	Estimated # of fertile eggs:			<b>41101</b>		<b>46114</b>	97.0
						Average	85.7					

**Appendix K**

<b>Tatchun Creek Egg Survival 2006</b>														
Date	Female #	Total volume of eggs ( in mL.)	Number of eggs in 50 ml	Egg count volume (ml)	Estimated total # egg take	% Fert. in sample	# Eggs in fert. check sample	Estimated number of fertile eggs	Egg Tray	Estimated number of fertilised eggs	Notes:	Estimated total # dead eggs removed	Est. # remaining surviving eggs	% Survival from green egg
17-Aug	1.0	22000.0		50.0	22000		10.0	0.0	A1	0		230.0	21770	99
17-Aug	2.0			50.0	21770		0.0		A2	0		831.0	20939	96
17-Aug	3.0			50.0	20939		10.0		A3			200.0	20739	99
17-Aug	4.0			40.0	20739		10.0	0.0	A4	0		338.0	20401	98
19-Aug	5.0	1100.0	222.0	50.0	4884		10.0	0.0	A5	0		400.0	4484	92
19-Aug	6.0	1100.0	264.0	50.0	5808		10.0	0.0	A6	0		480.0	5328	92
19-Aug	7.0	2300.0	215.0	50.0	9890		10.0	0.0	B1	0		1166.0	8724	88
							put in 2 trays		B2			803.0		
19-Aug	8.0	1100.0	246.0	50.0	5412		10.0	0.0	B3	0		303.0	5109	94
28-Aug	9.0	150.0	173.0	50.0	519	50.0	10.0	259.5	Tak- Far #5	260		20.0	499	96
						<b>AT LEAST</b>								
Total Egg Take:					<b>48513</b>	<b>50</b>		<b>260</b>				4771	<b>45914</b>	<b>95</b>