

**Alsek River Watershed –  
Klukshu Chinook and Sockeye Enumeration  
2017**

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## 1.0 Introduction

Chinook and sockeye salmon enumeration via counting fence has been conducted on the Klukshu River in the Alsek River drainage for approximately 40 years. The project serves as the primary tool for identifying Klukshu River salmon abundance, and by extension an index of Alsek River drainage-wide abundance. The long term dataset maintained by this project provides an excellent time series of data to help understand long term variability in the Alsek River drainage. Development of genetic stock identification (GSI) capabilities has also enhanced the value of the Klukshu River salmon enumeration as an index for drainage wide abundance through an integrally linked project also supported by the Northern Endowment Fund (NEF) “*2017 Alsek Sockeye Salmon Run Reconstruction Using Genetic Stock Identification*”.

In the Transboundary chapter of the Pacific Salmon Treaty (PST), the Parties agreed to implement assessment programs in support of the abundance-based management regimes for Alsek River Chinook and sockeye salmon. This project assists in fulfilling that obligation. The Transboundary Panel and the Transboundary Technical Committees (TTC) “*Pacific Salmon Commission Transboundary Panel Strategic Salmon Plan*” (2009) identifies the desire of the Panel to continue the enumeration of Chinook and sockeye at the Klukshu River weir.

In February 2013, the TTC and TBR Panel revised the biological escapement goals for Alsek River and Klukshu River Chinook and sockeye salmon. These were: Alsek River Chinook MSY target of 4,700 (esc. goal range 3,500 – 5,300), Klukshu River Chinook MSY target of 1,000 (esc. goal range of 800 – 1,200), Alsek River sockeye MSY target of 29,700 (esc. goal range of 24,000 – 33,500), and Klukshu River sockeye MSY target of 9,700 (esc. goal range 7,500 – 11,000).

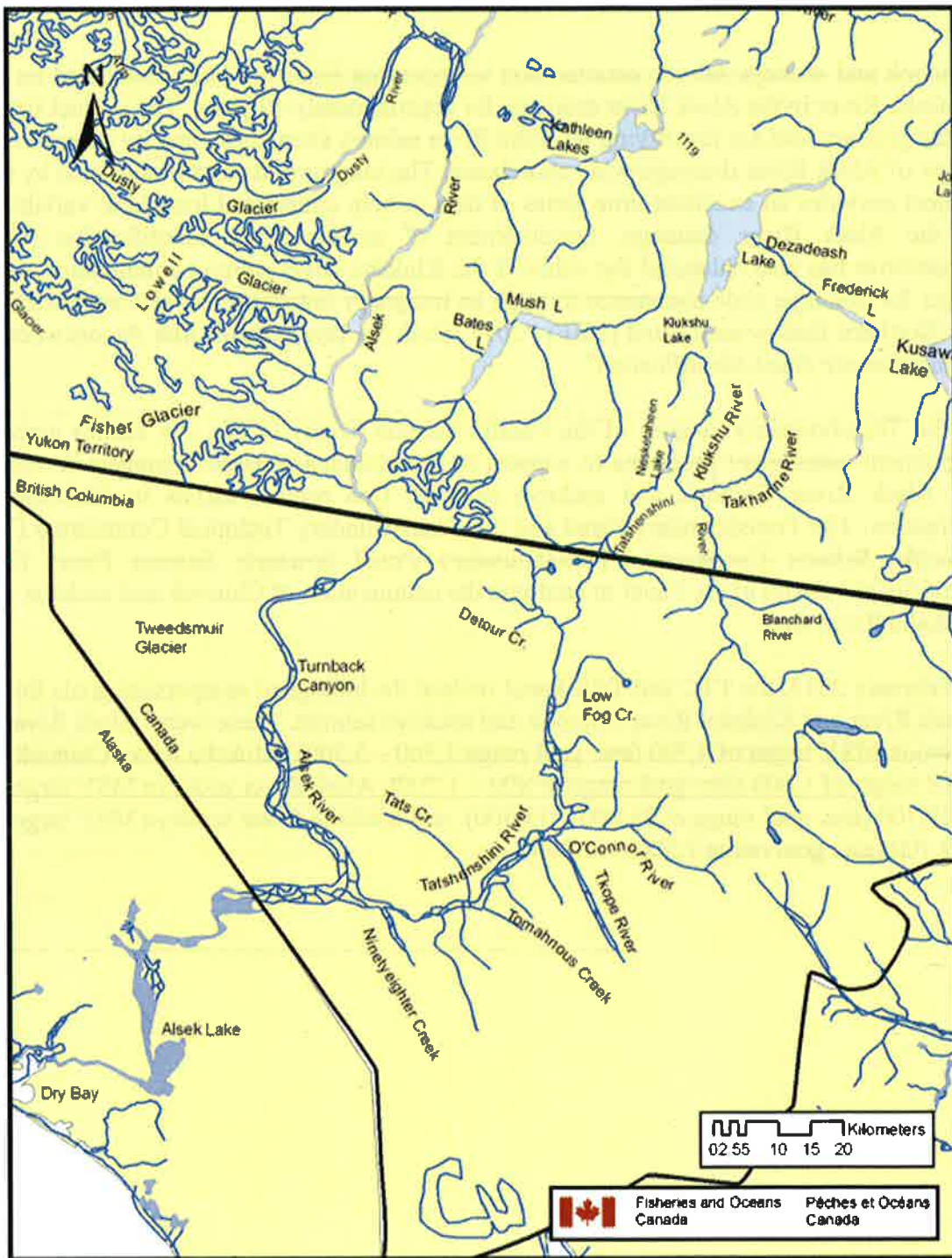


Figure 1. Alesk River drainage map.

## **2.0 Objectives**

The objectives of this project were to:

- (1) Obtain an absolute count of the escapement of Chinook and sockeye into the Klukshu River.
- (2) Collect age-sex-length information from a representative sample of each species.

## **3.0 Methodology**

A 20 meter conduit fence supported by up to 8 steel tripods (weir) was constructed across the Klukshu River approximately 900 meters upstream of the river's mouth. The weir was originally designed with a counting chamber from which hourly and daily counts were taken, and a holding chamber from which a random selection of migrating fish were sampled for scales, sex, and length. Since 2016, a video counting system has been integrated into the counting chamber, and in 2017 served as the primary enumeration method. The video system allows the weir to remain open at all times and captures a video clip of each migrating fish as it passes through the weir opening. Technicians reviewed the video footage daily to identify salmon to species, enumerate them, and estimate length. The weir was occasionally closed to capture a subsample of migrating salmon in the holding chamber. Biological samples were collected in proportion to the run, with the daily target sample size selected at random from salmon in the holding chamber and sampled for age, sex, and length before being released upstream.

For age determination, five scales were collected from both Chinook and Sockeye salmon. All scales were collected from above the lateral line within a radius measuring three to four scales from the preferred area (one scale row above the lateral line along a diagonal line between the anterior end of the pelvic fin and the posterior end of the dorsal fin). Scales were placed in gum-card booklets and sent to Fisheries and Oceans Canada's (DFO) Schlerochronology Lab at Pacific Biological Station in Nanaimo, B.C for reading and interpretation. Fork length measurements (the distance between the tip of the nose to the fork of the tail) were taken to the nearest five millimetres using a flexible tape measure. Sex was determined by visual observation of sexually dimorphic traits.

Construction of the weir and installation of the video enumeration system began on 07 June 2017. Due to high water on the Klukshu River the structure was not completed and fish tight until 1100h on 01 July. The weir was dismantled at 0800h on 05 October 2017. A rotating crew of three technicians delivered the project with two technicians on site at any one time. The project was supervised by a project lead technician based in Whitehorse who made site visits as required.

## 4.0 Results and Discussion

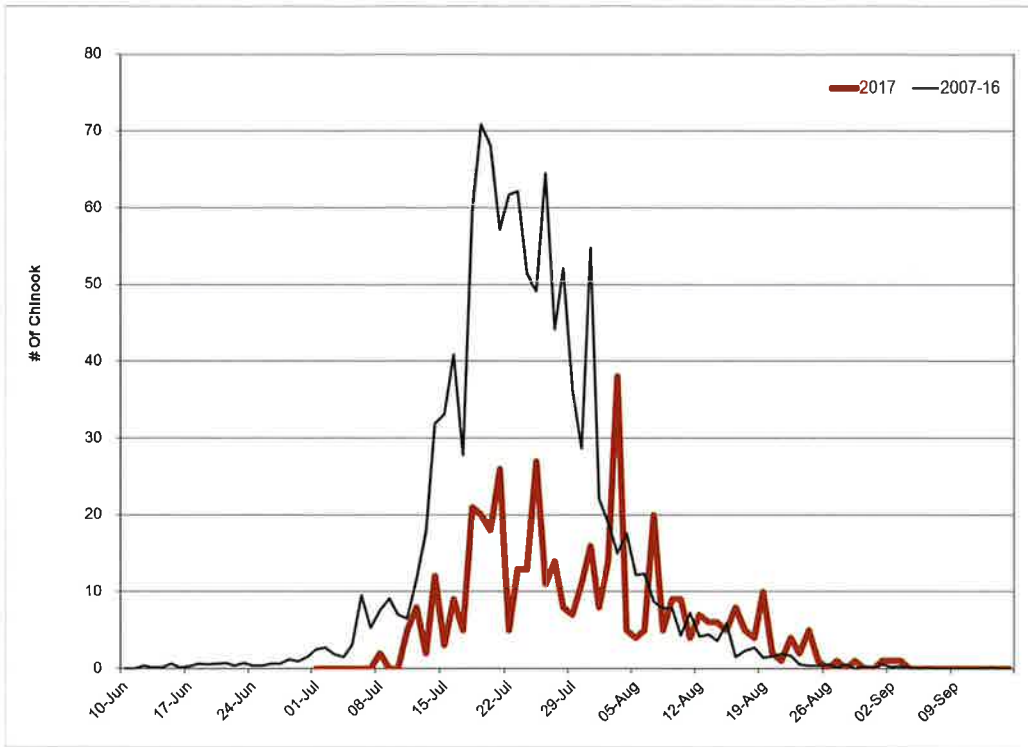
High water prevented the weir from being installed until 01 July, so field staff walked lower Klukshu River daily observing key sites for salmon. Although the water was turbid at times, visibility was good. No salmon were observed during these walks, indicating that no portion of the runs were missed.

### *Chinook Salmon*

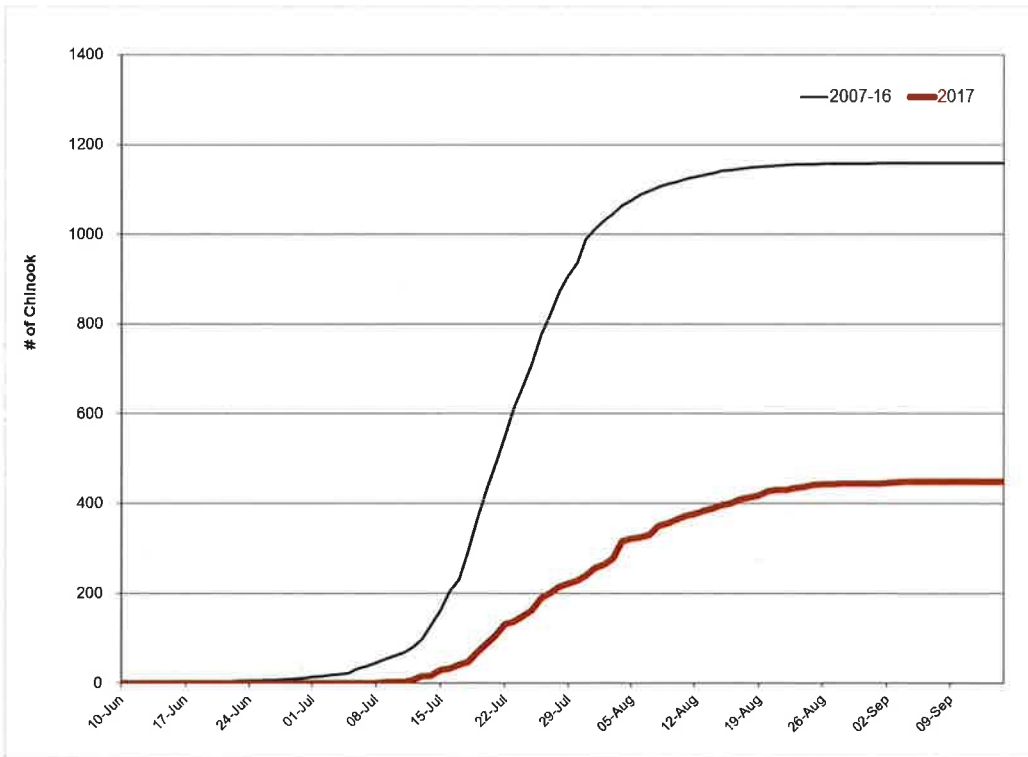
The first two Chinook passed through the weir on 08 July. As is typical for Klukshu River Chinook, the run was slow to gather strength, and the first day with passage of more than five fish did not occur until 11 July.

A total of 448 Chinook salmon were enumerated as they migrated through the weir over the next eight weeks (08 July – 03 Sept), this is 39% of average. The peak count of 38 fish occurred on 03 August. Dates by which 25, 50 and 90% of the run had passed through the weir were 21 July, 28 July, and 15 August, respectively. Over the past ten years, the respective dates for these milestones have averaged 19 July, 24 July, and 04 August. Hourly and daily counts are presented in Appendices 1 and 2. Daily and cumulative counts are presented in Figures 2 and 3.

Sampling for age-sex- length information commenced on 12 July and concluded on 03 September. Dates by which 25, 50 and 90% of the samples had been taken were 21 July, 28 July, and 15 August, respectively. A total of 183 samples (120 males, 63 females) were collected, which fell short of the sample target of 700 Chinook, but was adequate given low returns, comprising 41% of the total run.



**Figure 2. Daily counts of Chinook salmon through the Klukshu River weir, 2017 versus 2007-2016 average.**



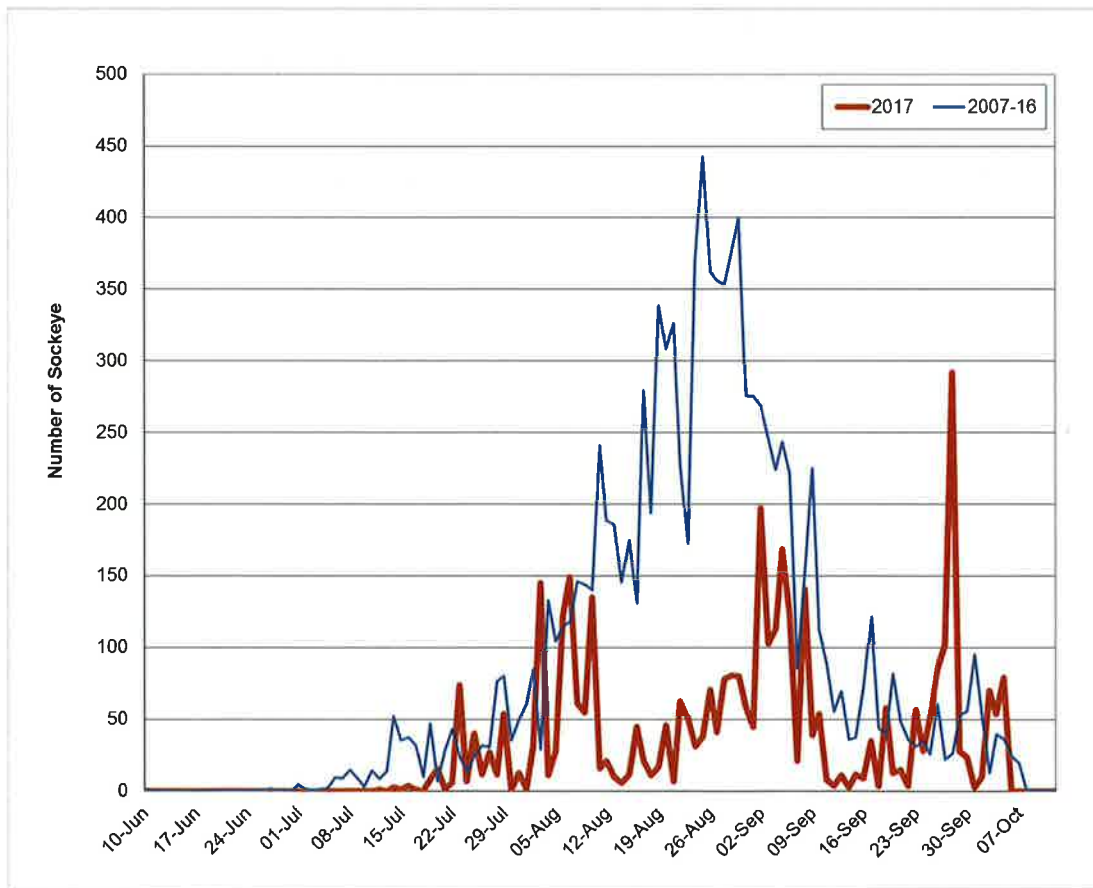
**Figure 3. Cumulative passage of Chinook salmon through the Klukshu River weir, 2017 versus 2007-2016 average.**

### *Sockeye Salmon*

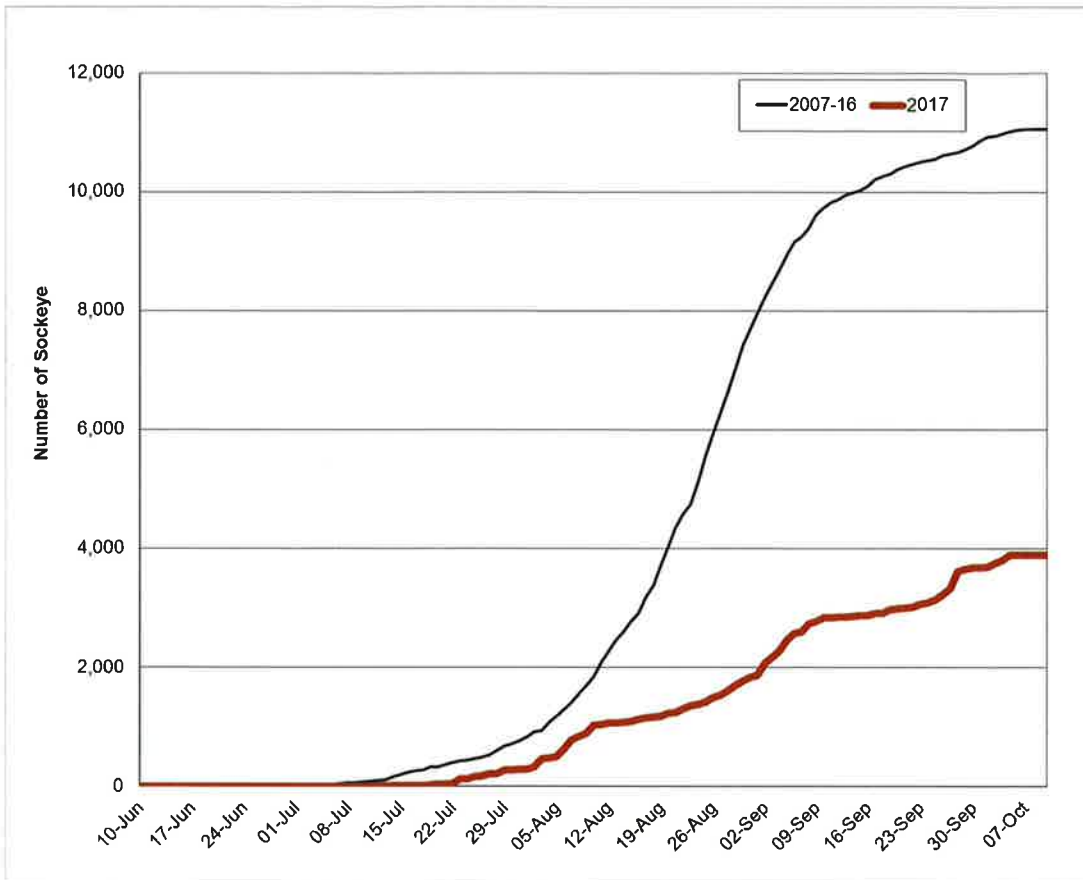
A total of 3,889 sockeye salmon were enumerated as they migrated through the weir over a period of 12 weeks (12 July – 05 October), this is 35% of average. The peak count of 292 fish occurred on 28 September. Dates by which 25, 50 and 90% of the run had passed through the weir were 10 August, 02 September, and 24 September, respectively. Over the past ten years, the respective dates for these milestones have averaged 18 August, 27 August, and 22 September. Hourly and daily counts are presented in Appendices 3 and 4. Daily counts and cumulative counts are presented in Figures 4 and 5.

Sampling for age-sex- length information commenced on 12 July and concluded on 01 October.

Dates by which 25, 50 and 90% of the samples had been taken were 06 August, 28 August, and 28 September, respectively. A total of 702 samples (379 males, 320 females, 3 N/A) were collected, comprising 18% of the total run and meeting the annual objective of 700 samples.



**Figure 4. Daily counts of sockeye salmon through the Klukshu River weir, 2017 versus 2007-2016 average.**



**Figure 5. Cumulative passage of sockeye salmon through the Klukshu River weir, 2017 versus 2007-2016 average.**

## 5.0 Budget Summary

The Northern Endowment Fund allocation of \$49,770 was fully expended. The acceptance of this report by the Pacific Salmon Commission is intended to allow the release of the 10% holdback of allocated funds (\$4,977). A budget summary of expenditures can be referenced in Appendix 5.

## 6.0 Conclusion

Project scheduling and operations went as planned in 2017 other than a June high water event which delayed full installation of the weir until 01 July. Daily stream walks observing for migrating salmon during this delay saw none, and no salmon were reported caught over this period through the creel census being conducted at Dalton Post, leading to the determination that the delay did not affect the enumeration of salmon. Therefore all project objectives were achieved with the exception that the sampling goal of 700 Chinook was not achieved due to low Chinook returns. Priority was placed on allowing Chinook through the weir to spawn rather than maximizing sampling effort.

After subtracting Chinook salmon harvest (n=5) from the weir count of 448 fish, the escapement estimate was 443 fish. This was below the escapement goal range of 800 to 1,200 Klukshu Chinook salmon, and below the principle brood year escapements of 693 in 2012 and 1,227 in 2013.

After subtracting sockeye salmon harvest (n=178) from the weir count 3,889 fish, the escapement estimate was 3,711 fish. This was below the escapement goal range of 7,500 to 11,000 Klukshu sockeye salmon, and below the primary brood year escapements of 17,200 in 2012 and 3,792 in 2013.

This project successfully maintained the long term escapement monitoring program for Klukshu River Chinook and sockeye salmon.

## **7.0 Acknowledgments**

Mark McFarland, Alfie Lavalley, Will Parker, Teresa Bachynski and Mike Terlesky operated the weir and conducted the sampling. Bill Waugh provided technical support and expertise. Kieran Knowles purchased supplies and assisted with logistics. Colleen Claggett (DFO) assisted with financial administration and accounting.

## 8.0 Appendices



	Counts																									
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Daily	Cum.
18-Jul								3				3	4	3	5	1	1					1	1	1	21	67
19-Jul												5	1	1	1	3					2	5	1	2	20	87
20-Jul	2	2	3	3								1	1	1					5					18	105	
21-Jul												11	1	7	1	1			2	2		2			26	131
22-Jul												3							2			2			5	136
23-Jul	1	1	5		1						8		2	1	1	5						1			13	149
24-Jul																									13	162
25-Jul	2		2	1				2						5	8	5		5							27	189
26-Jul										1		1					3					2			11	200
27-Jul					1	3				1	3	4							5				3		14	214
28-Jul																									8	222
29-Jul											3							7							7	229
30-Jul																		9				1			11	240
31-Jul																		16				1			16	256
01-Aug																	7								8	264
02-Aug																									14	278
03-Aug																			7	1	5	1			14	278
04-Aug																		5	9	11	3	2	2		38	316
05-Aug										2								1	3		1	2			5	321
06-Aug														1							1				4	325
07-Aug																			2	2	2	2	2		5	330
08-Aug																			3	4	2	3	2	2	20	350
09-Aug										1									2	2	2	3	3		5	355
10-Aug	1																		1	1	1				9	364
11-Aug																									9	373
12-Aug																									4	377
13-Aug																									7	384
14-Aug																									6	390
15-Aug																									6	396
16-Aug																									5	401
17-Aug	2		1	1																					8	409
18-Aug																									5	414
19-Aug																									4	418
20-Aug																									10	428
21-Aug																									2	430
22-Aug																									1	431
																									4	435



**Appendix 2. Daily counts of Chinook salmon passing through Klukshu River weir, 2017.**

	Chinook Daily Counts 2017					
	Daily			Cumulative		
	UnSampled	Sampled	Total	UnSampled	Sampled	Total
1/Jul			0	0	0	0
2/Jul			0	0	0	0
3/Jul			0	0	0	0
4/Jul			0	0	0	0
5/Jul			0	0	0	0
6/Jul			0	0	0	0
7/Jul			0	0	0	0
8/Jul	2		2	2	0	2
9/Jul			0	2	0	2
10/Jul			0	2	0	2
11/Jul	5		5	7	0	7
12/Jul		8	8	7	8	15
13/Jul	2		2	9	8	17
14/Jul	1	11	12	10	19	29
15/Jul	2	1	3	12	20	32
16/Jul	4	5	9	16	25	41
17/Jul		5	5	16	30	46
18/Jul	21		21	37	30	67
19/Jul	15	5	20	52	35	87
20/Jul	13	5	18	65	40	105
21/Jul	17	9	26	82	49	131
22/Jul		5	5	82	54	136
23/Jul	13		13	95	54	149
24/Jul		13	13	95	67	162
25/Jul	23	4	27	118	71	189
26/Jul	1	10	11	119	81	200
27/Jul	5	9	14	124	90	214
28/Jul	0	8	8	124	98	222
29/Jul	7	0	7	131	98	229
30/Jul	3	8	11	134	106	240
31/Jul	1	15	16	135	121	256
1/Aug	1	7	8	136	128	264
2/Aug	7	7	14	143	135	278
3/Aug	30	8	38	173	143	316
4/Aug		5	5	173	148	321
5/Aug	2	2	4	175	150	325
6/Aug	5	0	5	180	150	330
7/Aug	20	0	20	200	150	350
8/Aug	5	0	5	205	150	355
9/Aug	7	2	9	212	152	364
10/Aug	9		9	221	152	373

Chinook Daily Counts 2017						
	Daily			Cumulative		
	UnSampled	Sampled	Total	UnSampled	Sampled	Total
11/Aug	1	3	4	222	155	377
12/Aug	7		7	229	155	384
13/Aug	2	4	6	231	159	390
14/Aug	2	4	6	233	163	396
15/Aug	0	5	5	233	168	401
16/Aug	8	0	8	241	168	409
17/Aug	4	1	5	245	169	414
18/Aug	1	3	4	246	172	418
19/Aug	5	5	10	251	177	428
20/Aug	2	0	2	253	177	430
21/Aug	0	1	1	253	178	431
22/Aug	2	2	4	255	180	435
23/Aug	2	0	2	257	180	437
24/Aug	4	1	5	261	181	442
25/Aug	1	0	1	262	181	443
26/Aug	0	0	0	262	181	443
27/Aug	0	1	1	262	182	444
28/Aug	0	0	0	262	182	444
29/Aug	1	0	1	263	182	445
30/Aug	0	0	0	263	182	445
31/Aug	0	0	0	263	182	445
1/Sep	1	0	1	264	182	446
2/Sep	1	0	1	265	182	447
3/Sep	0	1	1	265	183	448
4/Sep	0	0	0	265	183	448
5/Sep	0	0	0	265	183	448
6/Sep			0	265	183	448
7/Sep			0	265	183	448
8/Sep			0	265	183	448
9/Sep			0	265	183	448
10/Sep			0	265	183	448

Appendix 3. Hourly counts of sockeye salmon passing through Klukshu River weir, 2017.

	Hourly Counts																								Count			
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Daily	Cum.		
01-Jul																										0	0	
02-Jul																											0	0
03-Jul																											0	0
04-Jul																											0	0
05-Jul																											0	0
06-Jul																											0	0
07-Jul																											0	0
08-Jul																											0	0
09-Jul																											0	0
10-Jul																											0	0
11-Jul											1																0	0
12-Jul																											1	1
13-Jul												2															3	4
14-Jul				1														1									4	8
15-Jul																											1	9
16-Jul				1																							4	13
17-Jul										1																	5	18
18-Jul																											9	27
19-Jul													8														10	37
20-Jul	1	11	4																								10	47
21-Jul																											4	51
22-Jul																											1	52
23-Jul	16	25	18	15																							1	53
24-Jul																											7	60
25-Jul	5	10	14	6	4	1																					7	67
26-Jul																											6	73
27-Jul	4	1	10	10	2																						13	86
28-Jul																											7	93
29-Jul																											10	103
30-Jul																											18	121
31-Jul						1																					6	127
01-Aug																											7	134
02-Aug																											3	137
03-Aug																											10	147
04-Aug																											8	155
05-Aug	2	2																									16	171

	Count																								Daily	Cum.	
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00			
06-Aug																									123	622	
07-Aug										10	20	4	2	1	20	6	27	33	34	15	4					149	771
08-Aug	16	21														5	10	4	4			1				61	832
09-Aug													10				15	4								55	887
10-Aug	44	48	19	14	9										1				2							135	1022
11-Aug	18		1			2						10														16	1038
12-Aug											6															21	1059
13-Aug																										10	1069
14-Aug																										6	1075
15-Aug																										12	1087
16-Aug										25	7	1	1													45	1132
17-Aug	20	1																								21	1153
18-Aug											4															11	1164
19-Aug										9	4															17	1181
20-Aug	19	23								4																46	1227
21-Aug											7															7	1234
22-Aug										13	10	18	2	1	1											63	1297
23-Aug	9	21	12	2	4	3																				51	1348
24-Aug										10	10															31	1379
25-Aug	12	7	11	5	3																					38	1417
26-Aug										10	18	39														71	1488
27-Aug										9																41	1529
28-Aug										31	10	1														78	1607
29-Aug	28	17	9	9	8	4	3																			81	1688
30-Aug										32		15														80	1768
31-Aug	12	3	4	13	12	7																				59	1827
01-Sep										30																45	1872
02-Sep	52	59	27	15	18	13	11																			197	2069
03-Sep										38	9	4														103	2172
04-Sep	36	31	10	11	19	3	2																			113	2285
05-Sep	18	30	32	19	18	18	5	4																		168	2453
06-Sep										9	10	20	56	23	4											123	2576
07-Sep										6	8															21	2597

	Count																									
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Daily	Cum.
08-Sep	5	45	32	27	25	6	1																		141	2738
09-Sep										20	10	8												1	39	2777
10-Sep	17	13	11	5	4	3	1																		54	2831
11-Sep											4														8	2839
12-Sep	2	2	7																						4	2843
13-Sep																									11	2854
14-Sep	4	4	5	2		1																	1	3	2857	
15-Sep									2																12	2869
16-Sep										9															9	2878
17-Sep	14	14	9	7	4	1																			35	2913
18-Sep									3																4	2917
19-Sep	17	10	12	9	2	2																		1	58	2975
20-Sep									5	8															13	2988
21-Sep	4	4	3	3	1	2													2						15	3003
22-Sep									4																4	3007
23-Sep	11	24	10	1	7	1															1				57	3064
24-Sep									4	11	12								1						28	3092
25-Sep	7	12	6	2	2														2	16	2			1	50	3142
26-Sep	51	16	6	4		1	1												1	3	1				85	3227
27-Sep										14															102	3329
28-Sep	1	45	60	38	22	10	3	2					15												292	3621
29-Sep											8														28	3649
30-Sep	7	8	4	1	2		2																		24	3673
01-Oct											1														3	3676
02-Oct													9							1					10	3686
03-Oct	9	23	13	5	11	5	1	1			1	1													70	3756
04-Oct	6	10	16	4	4	2	4													1					54	3810
05-Oct	7	10	7	2	2	1		50																	79	3889
TOTAL	427	512	372	281	204	103	53	10	78	299	195	142	125	48	35	51	96	114	243	149	62	16	58	216	3889	

**Appendix 4. Daily counts of sockeye salmon passing through Klukshu River weir, 2017.**

Sockeye Daily Counts 2017								
	Daily				Cumulative			
	UnSampled	Harvest	Sampled	Total	UnSampled	Harvest	Sampled	Total
6/Jul				0	0	0	0	0
7/Jul				0	0	0	0	0
8/Jul				0	0	0	0	0
9/Jul				0	0	0	0	0
10/Jul				0	0	0	0	0
11/Jul				0	0	0	0	0
12/Jul			1	1	0	0	1	1
13/Jul				0	0	0	1	1
14/Jul			3	3	0	0	4	4
15/Jul	1			1	1	0	4	5
16/Jul	4			4	5	0	4	9
17/Jul			1	1	5	0	5	10
18/Jul				0	5	0	5	10
19/Jul			8	8	5	0	13	18
20/Jul	16			16	21	0	13	34
21/Jul	1		1	2	22	0	14	36
22/Jul			6	6	22	0	20	42
23/Jul	74			74	96	0	20	116
24/Jul	1		6	7	97	0	26	123
25/Jul	40			40	137	0	26	163
26/Jul			12	12	137	0	38	175
27/Jul	27			27	164	0	38	202
28/Jul			12	12	164	0	50	214
29/Jul	34		20	54	198	0	70	268
30/Jul	1			1	199	0	70	269
31/Jul			13	13	199	0	83	282
1/Aug			2	2	199	0	85	284
2/Aug	16		15	31	215	0	100	315
3/Aug	115	10	20	145	330	10	120	460
4/Aug			11	11	330	10	131	471
5/Aug	18		10	28	348	10	141	499
6/Aug	104		19	123	452	10	160	622
7/Aug	129		20	149	581	10	180	771
8/Aug	61			61	642	10	180	832
9/Aug	35		20	55	677	10	200	887
10/Aug	135			135	812	10	200	1,022
11/Aug	4		12	16	816	10	212	1,038
12/Aug	21			21	837	10	212	1,059
13/Aug	1		9	10	838	10	221	1,069
14/Aug	6			6	844	10	221	1,075
15/Aug	12			12	856	10	221	1,087
16/Aug	25	20	0	45	881	30	221	1,132
17/Aug	21		0	21	902	30	221	1,153
18/Aug	11		0	11	913	30	221	1,164
19/Aug	8	9	0	17	921	39	221	1,181
20/Aug	46		0	46	967	39	221	1,227

Sockeye Daily Counts 2017								
	Daily				Cumulative			
	UnSampled	Harvest	Sampled	Total	UnSampled	Harvest	Sampled	Total
21/Aug	0		7	7	967	39	228	1,234
22/Aug	40		23	63	1,007	39	251	1,297
23/Aug	51		0	51	1,058	39	251	1,348
24/Aug	11		20	31	1,069	39	271	1,379
25/Aug	38		0	38	1,107	39	271	1,417
26/Aug	51	10	10	71	1,158	49	281	1,488
27/Aug	32	9	0	41	1,190	58	281	1,529
28/Aug	48		30	78	1,238	58	311	1,607
29/Aug	79		2	81	1,317	58	313	1,688
30/Aug	48		32	80	1,365	58	345	1,768
31/Aug	53		6	59	1,418	58	351	1,827
1/Sep	15		30	45	1,433	58	381	1,872
2/Sep	195		2	197	1,628	58	383	2,069
3/Sep	65		38	103	1,693	58	421	2,172
4/Sep	112		1	113	1,805	58	422	2,285
5/Sep	168		0	168	1,973	58	422	2,453
6/Sep	84	10	29	123	2,057	68	451	2,576
7/Sep	1		20	21	2,058	68	471	2,597
8/Sep	141		0	141	2,199	68	471	2,738
9/Sep	1		38	39	2,200	68	509	2,777
10/Sep	54		0	54	2,254	68	509	2,831
11/Sep	8		0	8	2,262	68	509	2,839
12/Sep	0		4	4	2,262	68	513	2,843
13/Sep	11		0	11	2,273	68	513	2,854
14/Sep	1		2	3	2,274	68	515	2,857
15/Sep	12		0	12	2,286	68	515	2,869
16/Sep	1		8	9	2,287	68	523	2,878
17/Sep	35		0	35	2,322	68	523	2,913
18/Sep	1		3	4	2,323	68	526	2,917
19/Sep	58		0	58	2,381	68	526	2,975
20/Sep	0		13	13	2,381	68	539	2,988
21/Sep	15		0	15	2,396	68	539	3,003
22/Sep			4	4	2,396	68	543	3,007
23/Sep	56		1	57	2,452	68	544	3,064
24/Sep	1		27	28	2,453	68	571	3,092
25/Sep	49		1	50	2,502	68	572	3,142
26/Sep	85			85	2,587	68	572	3,227
27/Sep	78		24	102	2,665	68	596	3,329
28/Sep	285		7	292	2,950	68	603	3,621
29/Sep	20		8	28	2,970	68	611	3,649
30/Sep	24			24	2,994	68	611	3,673
1/Oct	2		1	3	2,996	68	612	3,676
2/Oct	1	9		10	2,997	77	612	3,686
3/Oct	70			70	3,067	77	612	3,756
4/Oct	54			54	3,121	77	612	3,810
5/Oct	79			79	3,200	77	612	3,889
6/Oct				0	3,200	77	612	3,889

Appendix 5. Financial Summary

Fisheries and Oceans Canada - PSC Project Budget Financial Report

Name of Project and PSC#:

Klukshu Chinook and Sockeye Enumeration, 2017 (NF-2017-Xxx)

EXPENDITURES

<b>Labour</b>					
<b>DFO Employee Salaries and Benefits</b>					
Position	Expenditures		Approved Budget	Total Expenditure	Variance
DFO Fishery Technician EG-4	\$ 26,100.00		\$ 21,750.00		
			\$ 4,350.00		
DFO Fishery Technician EG-3	\$ 23,670.00		\$ 19,725.00		
			\$ 3,945.00		
			\$ -		
<b>Total Expended</b>	<b>\$ 49,770.00</b>	<b>Total Budget</b>	<b>\$ 49,770.00</b>	<b>\$ 49,770.00</b>	<b>\$ -</b>
<b>Subcontractors &amp; Consultants</b>					
Contract	Contract Amount Expended		Approved Budget	Total Expenditure	Variance
Tahltan First Nation					
Air Charter					
Boat Charter					
<b>Total Expended</b>	<b>\$ -</b>	<b>Total Budget</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Total Labour Summary</b>			<b>\$ 49,770.00</b>	<b>\$ 49,770.00</b>	<b>\$ -</b>
<b>Site / Project Costs</b>					
Item	Amount Expended		Approved Budget	Total Expenditure	Variance
Travel					
Small Tools & Equipment					
Site Supplies & Materials					
Equipment Rental					
Work & Safety Gear					
Repairs & Maintenance					
Permits					
Other costs					
<b>Total Expended</b>	<b>\$ -</b>	<b>Total Budget</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Total Site / Project Summary</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Training Costs</b>					
Item	Amount Expended		Approved Budget	Total Expenditure	Variance
Name of course					
<b>Total Expended</b>	<b>\$ -</b>	<b>Total Budget</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Total Training Summary</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

Fisheries and Oceans Canada - PSC Project Budget Financial Report

Overhead / Indirect Costs					
Item	Amount Expended		Approved Budget	Total Expenditure	Variance
Office space, including utilities, etc.					
Insurance					
Office supplies					
Telephone & long Distance					
Photocopies & printing					
Indirect/overhead costs					
Administration and financial management					
(If the PSC contribution to indirect costs exceeds 20% of the total PSC grant submission of back-up documentation justifying the expense is required).					
<b>Total Expended</b>	\$ -		<b>Total Budget</b>	\$ -	
<b>Total Overhead / Indirect Summary</b>					
			\$ -	\$ -	\$ -

Capital Costs / Assets (Value > \$250.00)					
Item	Amount Expended		Approved Budget	Total Expenditure	Variance
<b>Total Expended</b>	\$ -		<b>Total Budget</b>	\$ -	
<b>Total Capital Cost / Asset Summary</b>					
			\$ -	\$ -	\$ -

Financial Report

Categories	Approved Budget (PSC Grant)	Project Expenditures	Variance
Labour	\$ 49,770.00	\$ 49,770.00	\$ -
Site / Project Costs	\$ -	\$ -	\$ -
Training	\$ -	\$ -	\$ -
Overhead / Indirect Costs	\$ -	\$ -	\$ -
Capital Costs / Assets	\$ -	\$ -	\$ -
<b>TOTAL</b>	<b>\$ 49,770.00</b>	<b>\$ 49,770.00</b>	<b>\$ -</b>

PST Project Funding Grant Advance Amount Received	\$ (44,793.00)
PST Project Funding Grant Amount Remaining to be Paid	\$ (4,977.00)
Difference Between Grant Amount and Project Expenditures	\$ -

Project Manager Name

Aaron Foss

Project Manager Signature

[Signature]

Date

12 March 2018

DFO Responsibility Center Manager Name

Bill Daugh

DFO Responsibility Center Manager Signature

[Signature]

Date

Mar-12-18

