

**KLAG LAKE SOCKEYE SALMON (*ONCORHYNCHUS NERKA*)  
STOCK ASSESSMENT PROJECT: 2006 ANNUAL REPORT AND  
2004 – 2006 FINAL REPORT.**

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**2004-2006 Final Report to USFWS, office of Subsistence Management  
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## **ABSTRACT**

From 2004 – 2006 sockeye salmon (*Oncorhynchus nerka*) escapement into Klag Lake and sockeye harvest in Klag Bay was estimated by means of weir counts and creel surveys. In 2004 17,369 sockeye were counted through the weir and an estimated 2,900 sockeye were harvested by subsistence and sport fishermen. In 2005, 13,975 sockeye were counted through the weir and 2,500 were estimated to have been harvested. In 2006, 17,695 sockeye were counted through the weir and 2,143 were harvested. Harvest reported on permits returned to the Alaska Department of Fish and Game (ADF&G) was slightly less, indicating 1,185 sockeye were harvested in 2006. The most abundant age class in 2004 was 1.2 comprising 51.0% of the samples aged. The second largest age class was age 1.3 comprising 26.0% of the population sample. In 2005 the 1.3 age class was the most abundant comprising 63.3% of the sample and age 1.2 fish were the second most abundant comprising 12.6%. In 2006, age class 1.2 was the most abundant at 39.1% followed closely by age class 2.2 comprising 38.5% of the sampled population.

Key words: Sockeye salmon, *Oncorhyncus nerka*, subsistence, Chichagof Island, Klag Lake, Sitka, escapement, mark-recapture, weir, harvest survey.

## **INTRODUCTION**

This introduction was taken directly from Woody and Conitz (2008). Brian Woody was the weir manager during the 2006 field season.

Currently, Klag Lake (ADF&G Stream No. 113-72-002) is one of the larger producers of sockeye salmon in Southeast Alaska. For subsistence users in Sitka, it is second or third in importance, after Necker Bay and, depending on the year, Redoubt Lake. The abundance of Redoubt Lake sockeye salmon has fluctuated a great deal in recent years (Geiger 2003). In years when sockeye runs to Redoubt Lake are small and conservation measures are in place, subsistence users rely more heavily on sockeye salmon from Klag Bay. Fisheries managers became concerned about increasing effort and large sockeye harvests in Klag Bay during some seasons. Having no adequate estimates of abundance for Klag Lake sockeye salmon, managers at ADF&G were compelled to implement conservative management practices when fishing effort appeared to be high. For example, they closed the subsistence fishery early in 1997, after observing few fish in the system during aerial surveys (Dave Gordon ADF&G Division of Commercial Fisheries, personal communication 2005). In 2000 the Sitka Tribe of Alaska (STA), the U.S. Forest Service, and ADF&G responded to concerns about possible over-harvesting of Klag Lake sockeye stocks by initiating a three-year sockeye monitoring project at Klag Lake, in 2001, with a second three-year study approved for 2004 – 2006.

ADF&G has compiled subsistence fishery data since 1985 from subsistence permit holders who returned their harvest information at the end of the season or upon requesting a permit for the following season. For the four-year period, 2002 – 2005, the average annual harvest of sockeye salmon from Klag Bay increased to about three times what it was in the preceding seventeen years, 1985 – 2001, and the number of permits issued annually for Klag Bay doubled during the same recent period (Appendix A). Furthermore, the average harvest per permit increased from 25 to 40 sockeye salmon. However, these reported annual harvest totals do not necessarily

represent the actual sockeye harvest, because ADF&G does not independently verify the user-reported harvest numbers. Evidence from the few subsistence sockeye systems in which on-site harvest surveys have been conducted shows that harvest is typically, but not always, under-reported; the degree of under-reporting appears to be highly variable (Conitz and Cartwright 2003 and 2005; Lewis and Cartwright 2004; Lorrigan et al. 2004; Conitz et al. 2005). Klag Bay subsistence fishers have exhibited the unusual practice of reporting higher harvest numbers on their permits than during on-site interviews. Possibly, they obtain more accurate fish counts when they process their harvests after returning to Sitka. An important project objective was to obtain accurate annual estimates of fishing effort and sockeye harvest in Klag Bay, using direct observation and interviews in the sport and subsistence fisheries.

Prior to the start of the Klag Lake subsistence sockeye salmon project, the only escapement data available for Klag Lake were unreliable aerial survey counts for some years. The Klag Lake subsistence sockeye salmon project was initiated to provide accurate annual sockeye salmon escapement estimates, using a weir and mark-recapture study. From 2001 through 2004 the weir counts, verified with mark-recapture estimates, ranged from about 12,000 to about 23,000 fish (Conitz et al. 2005). Overall, the Klag Lake sockeye population appeared to be stable and adequate to support subsistence and sport harvests at existing levels. The purpose of the 2004 to 2006 continuation of the project, therefore, was to monitor this stock through annual estimates of escapement, harvest, and run timing.

## OBJECTIVES

After a review of statistical methods, it appears that current objectives are not applicable or appropriate for the purpose of this project. The intention of this project is to monitor and report accurate escapement and harvest numbers, and population characteristics. A coefficient of variation (CV) is useful in *comparing* variability between samples with appreciably different means or different units (Fowler et al. 1998) rather than providing a level of accuracy or precision for a single data set. A CV could be useful in comparing variability among age class mean-lengths for example but that goes beyond the scope of this project. To correct for this error, the objectives have been revised and are listed along with original project objectives.

### Original Project Objectives

1. Estimate the escapement of sockeye using a weir and mark-recapture methods.
2. Describe the run-timing, or proportional daily passage of sockeye salmon through the weir.
3. To estimate the sex, age, and size composition of sockeye salmon such that the coefficient of variation is 10% or less.
4. Estimate sport and subsistence harvest in Klag Bay using an on-sight creel survey.

### Revised Project Objectives

1. Estimate the escapement of sockeye using a weir count and validate the count using mark-recapture methods if necessary.
2. Describe the run-timing, or proportional daily passage of sockeye salmon through the weir.
3. Estimate the age composition of the sockeye salmon run to Klag Lake such that estimates are within 10 percentage points of the true value 95% of the time.
4. Estimate sport and subsistence harvest in Klag Bay using an on-sight creel survey.

## METHODS

### Study Site

Klag Bay (figure 1) located at N 57° 38.5', W 136° 42.2' is the outermost bay in a system of inland saltwater bays or lagoons, which also includes Lake Anna and Sister Lake. Klag Lake receives drainage from approximately seven square kilometers of sparsely wooded low hills, large areas of muskeg, and numerous small shallow lakes and ponds with a maximum elevation of 550 m. With a chain of small lakes, streams, and ponds to the northeast, Klag Lake has only one active salmon spawning stream. Many smaller streams drain into the lake but anadromous salmon spawning has not been observed in these streams. Sockeye salmon are blocked from further upstream migration in the main stream by a 1.3 m high barrier falls approximately 500 m upstream. The lake itself is at a 12 m elevation and has a surface area of 83 hectares; the maximum lake depth is 43 m. The lake drains to the south via an outlet that flows through a series of 3 large ponds before emptying into the east side of Klag Bay. The extensive network of muskegs and ponds buffers flow through the system.

(Taken from Woody and Conitz 2008)

### Sample Size

After reviewing and comparing sample size determination methods by Tortura (1978) and Goodman (1965), Bromaghin (1993) developed a new method which results in smaller sample size requirements than previously utilized techniques. To estimate age composition within 10 percentage points of the true value 95% of the time, Bromaghin's techniques show that a sample size of 174 sockeye would be sufficient based on seven age classes. Because sampling methods were developed and implemented by different researchers for the 2004-2006 seasons, sampling goals were much higher than those required using Bromaghin's methods. In 2004, 589 sockeye were sampled and there were six age classes. To achieve the updated objectives, the sample size required is n=168. With the 2004 sample size, the estimates can be reported as being within 7.5 percentage points of the true value 99% of the time. The sample size in 2005 was n=613 and there was a total of five age classes. The estimates for this season then can be reported as being within 7.5 percentage points of the true value 99% of the time as well. In 2006, 1,154 sockeye were sampled and there were six age classes. Estimates can be reported as being within five percentage points of the true value 99% of the time. Though sampling goals were not derived utilizing this method, in all three years sample sizes exceeded sampling requirements reported by

Bromaghin. Field notes indicate the weir was solid and leaks were not detected throughout these seasons, therefore, the accuracy and precision of these estimates exceed those indicated in the updated objectives.

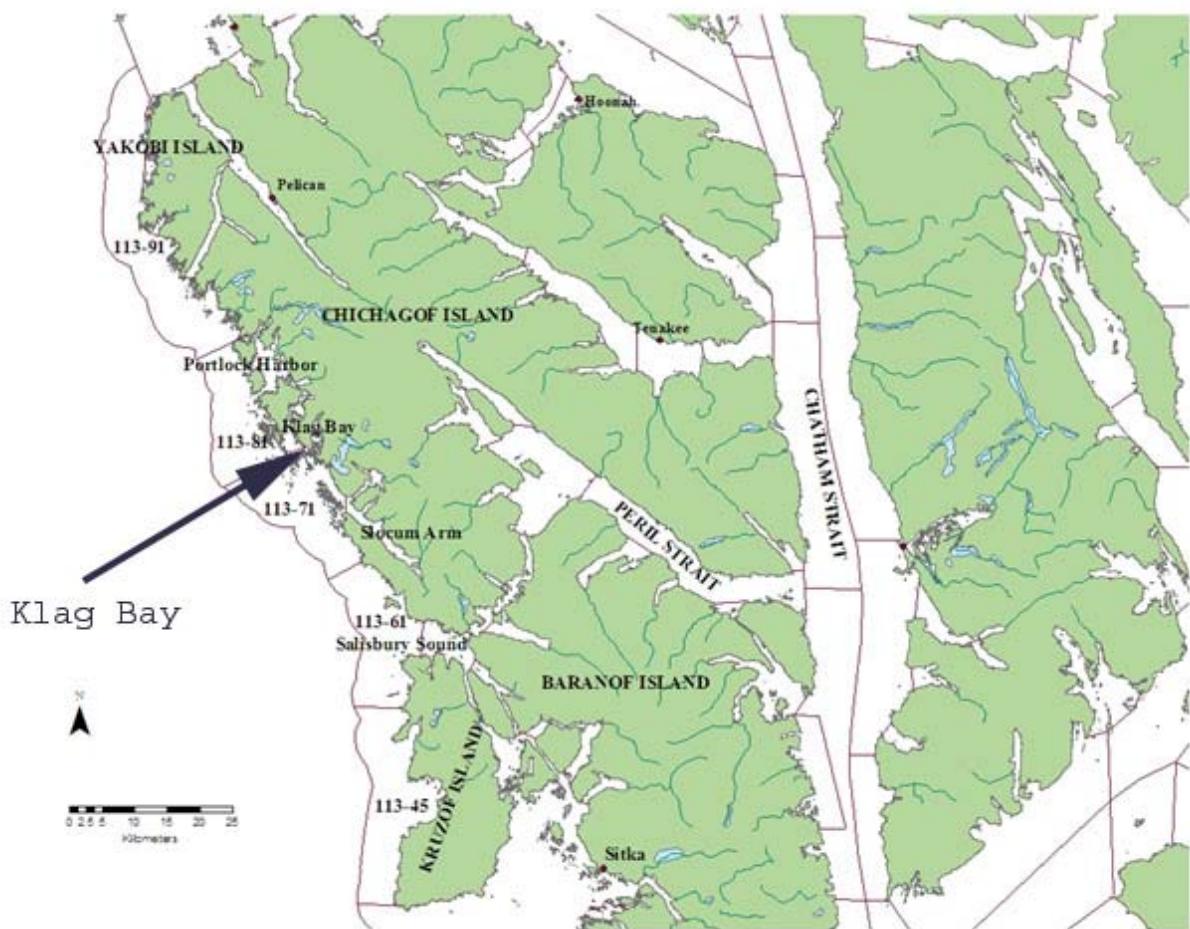


Figure 1. Location of Klag Bay on Chichagof Island.

#### Sockeye Escapement Estimates and Run Timing

A rigid weir was placed approximately 100 meters from the estuary in the same location and with the same construction used since 2001 (Woody and Conitz 2008). Migrating salmon were channeled into a trap fixed to the weir where they were counted by species and released upstream. Sockeye were systematically marked at a rate of 1 of every 5 fish to maintain a 20% marking goal in order to conduct a mark-recapture study in the event of a weir failure or suspected breach.

A stratified, two-sample mark recapture study design was implemented as described by Arnason et al. (1996). 20% of the sockeye salmon passing through the weir were collected and marked with a primary and a secondary mark. The primary mark was an adipose fin clip and the secondary marks were left and right ventricle fin clips. The mark-recapture data however will not be utilized due to poor record keeping and missing data sheets. Because the weir at Klag Bay is believed to be a solid weir with no leaks and was never suspected to have been breached, the actual weir count will be reported as the escapement estimate for the 2006 field season. In future studies, the marking portion of the mark-recapture study will be conducted; however, unless the weir is believed to be breached, recapture events will be unnecessary.

Sockeye salmon passing through the weir were counted and the count was recorded on weir count data sheets (Appendix B) and Rite-in-the-Rain™ field notebooks. Weir count data was later entered into a Microsoft Excel spreadsheet. Daily counts were called into the U.S. Forest Service via the Forest Service Radio Network and to the weir manager via satellite phone on a daily basis throughout the field season.

### Escapement Sex, Age, and Size Distribution

Scales were collected from every 5<sup>th</sup> fish and prepared for analysis as described by Clutter and Whitsel (1956). Three scales were collected from the preferred location from sampled fish (INPFC 1963). Scales were placed on gum cards and were matched with sex and length data in order to describe age class and size distribution throughout the season. Length and sex data were recorded on Alaska Department of Fish and Game (ADF&G) Age-Sex-Length (ASL) sheets. Lengths were measured from mideye-to-tail-fork to the nearest millimeter (mm) and later rounded to the nearest 5 mm. The scale cards and ASL data were sent to the ADF&G Salmon Aging Laboratory in Douglas, Alaska for aging. Age classes were designated by the European aging system where freshwater and saltwater years are separated by a period (e.g. 1.3 denotes 1-year freshwater and 3-years saltwater; Koo 1962). Brood year tables were compiled by sex and brood year to describe the age structure of the returning adult sockeye salmon populations. Similar tables were constructed to describe the lengths of migrating sockeye.

### Subsistence and Sport Sockeye Harvest in Klag Bay

The harvest of sockeye salmon in Klag Bay was determined using a creel surveys throughout the season. Harvest efforts took place in Klag Bay directly in front of the U.S. Forest Service cabin where the crew was housed during the season. Therefore, the field crew was able to interview nearly all fishermen involved in the sockeye harvest. If a fishing party was missed or declined an interview, it was noted on the creel survey as a “missed interview”. Data was collected and recorded on creel survey data sheets (Appendix C) and in Rite-in-the-Rain™ field notebooks. Harvest data was later entered into a Microsoft Excel spreadsheet.

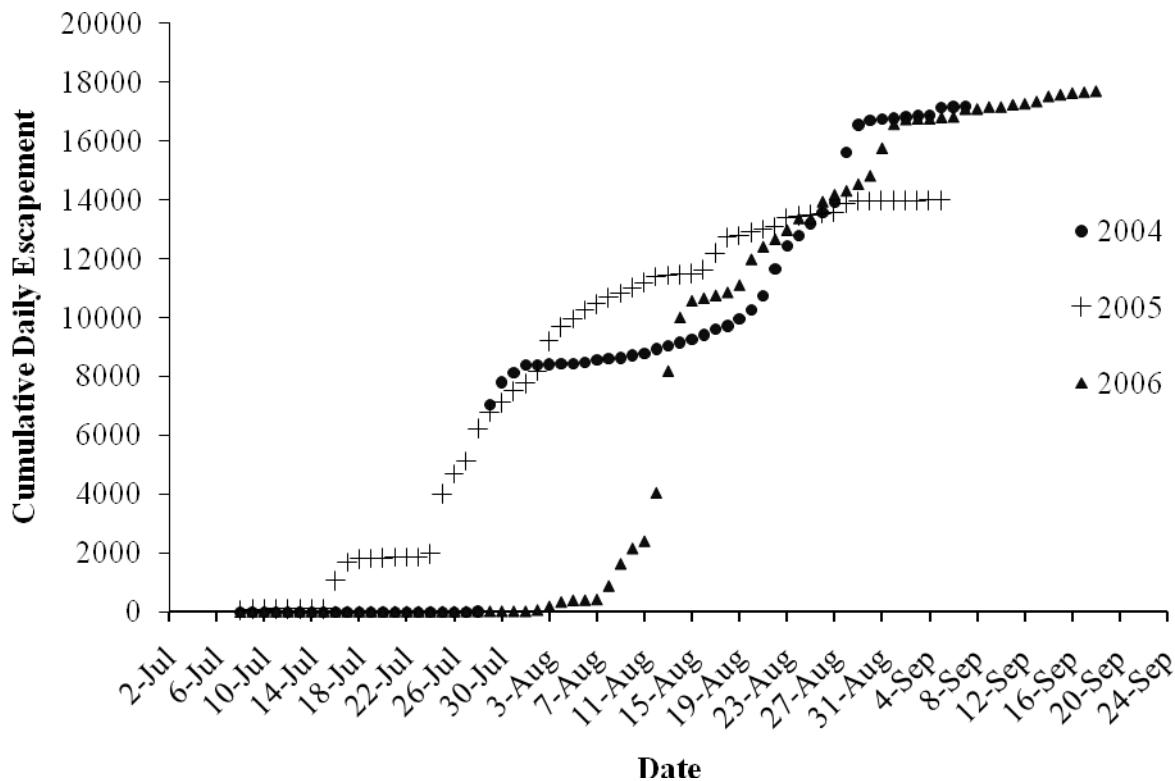
Surveyors recorded the date, time, harvest type (subsistence or sport), harvest method (gear used), number of each gear type used, number of hours fished, and number of each fish species

collected. For the purpose of this report only data regarding the harvest of sockeye salmon will be presented.

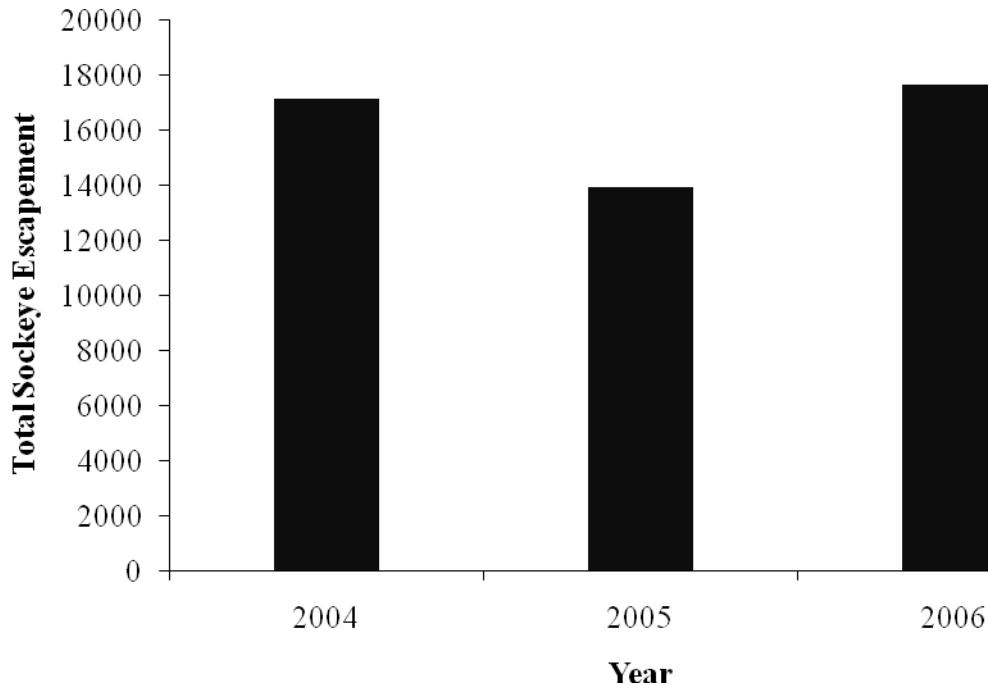
## RESULTS

### Sockeye Escapement Estimates

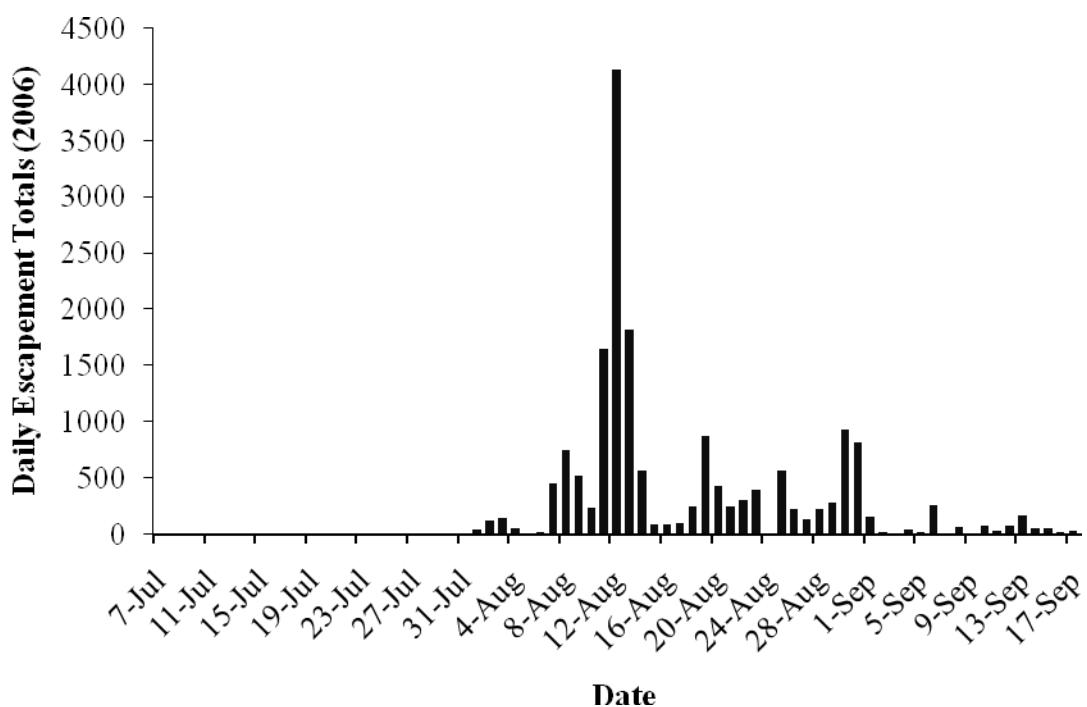
In 2006 sockeye began migrating through the weir on 8-July and the last fish was counted through on 18-September. Few fish passed the weir before 26-July and the run peaked on 6-August with a surge of 4,117 sockeye migrating through (Figure 1). As of 18-September a total escapement of 17,695 sockeye migrated upstream of the weir to spawn. The 2006 overall escapement was similar to 2004 when 17,369 were passed through the weir, and up from 2005 when 13,975 sockeye were counted (Figure 2). Though escapement patterns were similar to those in 2004 and 2005, a steady migration of sockeye began slightly later than the two previous years. Data regarding 2006 water levels during the run is not available, however in 2004 and 2005 the peak of the runs occurred in conjunction with high water levels (Stahl et al. 2007; Woody and Conitz 2008). Daily escapement totals for the 2006 season can be seen in figure 3.



**Figure 2.** Graph illustrating run timing and cumulative daily escapement between years 2004 – 2006.



**Figure 3.** Total sockeye escapement into Klag Lake from 2004 – 2006.



**Figure 4.** 2006 daily sockeye escapement into Klag Lake.

Mark-recapture analysis was not conducted for the 2006 escapement due to a lack of complete recapture data. However, there are no reports of a weir failure or reason to believe the weir was breached. Mark-recapture estimates were intended to be used for validation of the weir count in the event fish were believed to have passed the weir unaccounted for. Because this is not believed to be the case, the weir count is considered to be accurate and reliable.

### Escapement Age and Size Distribution

In 2006, 1,154 sockeye were successfully aged from scale analysis. Of these, 48% were males and 52% females. Age 1.2 sockeye comprised the largest age class at 39.1% of the sample, just slightly higher than age 2.2 (38.5% of the sample, Table 1). In 2004 age 1.2 sockeye were the largest age class (51%) followed by 1.3 age fish at 26%. In 2005, age 1.3 fish comprised the largest age class at 63.3% and 1.2 at 12.6% (Table 2).

**Table 1.** Age and sex composition of sockeye salmon sampled from the Klag Lake escapement in 2006.

Age	1.1	1.2	1.3	2.1	2.2	2.3	Total
<b>Male</b>							
Sample Size	74	205	60	0	218	0	557
% Population	6.4%	17.8%	5.2%	0.0%	18.9%	0.0%	48.3%
Standard Error	0.72%	1.13%	0.65%	0.00%	1.15%	0.00%	1.47%
<b>Female</b>							
Sample Size	33	246	89	1	226	2	597
% Population	2.9%	21.3%	7.7%	0.1%	19.6%	0.2%	51.7%
Standard Error	0.49%	1.21%	0.79%	0.09%	1.17%	0.12%	1.47%
<b>All Fish</b>							
Sample Size	107	451	149	1	444	2	1154
% Population	9.3%	39.1%	12.9%	0.1%	38.5%	0.2%	100.0%
Standard Error	0.85%	1.44%	0.99%	0.09%	1.43%	0.12%	0.00%

**Table 2.** Age class distribution for years 2004 – 2006.

	1.1	1.2	1.3	2.1	2.2	2.3
2004	0.3%	50.8%	26.3%	0.3%	16.6%	5.7%
SE	0.2%	2.1%	1.9%	0.2%	1.5%	1.0%
2005	1.1%	12.6%	63.3%	0.0%	10.9%	12.1%
SE	0.4%	1.3%	2.0%	--	1.3%	1.3%
2006	9.3%	39.1%	12.9%	0.1%	38.5%	0.2%
SE	0.85%	1.44%	0.99%	0.09%	1.43%	0.12%

The average mideye-to-tail-fork for the sampled population was 485 mm in 2006 (rounded to the nearest 5 millimeters). Of the returning males, age class 1.3 fish had the largest average length at 490 mm. The largest average length was also found for age 1.3 females at 490 mm. Similar to previous years, fish that spent 3 years in saltwater had greater average lengths than those only spending 2 years in saltwater (Table 3). Stahl et al. 2007, Woody and Conitz 2008). Age 1.3 sockeye were consistently larger than their counterparts in both 2004 and 2005 as well (Stahl et al. 2007, Woody and Conitz 2008). Combined data from 2004 – 2006 can be seen in table 4.

**Table 3.** Length composition (mm) of adult sockeye returning to Klag Lake in 2006.

Age	1.1	1.2	1.3	2.1	2.2	2.3	Total
<b>male</b>							
Sample Size	74	205	60	-	218	0	557
Mean Length	480	480	490	-	485	0	
S.E.	1.4	1.7	1.9	-	1.3	-	
<b>Female</b>							
Sample Size	33	246	89	1	226	2	597
Mean Length	490	485	490	470	485	470	
S.E.	0.8	0.9	1.5	-	1.4	0.0	
<b>All Fish</b>							
Sample Size	107	451	149	1	444	2	1154
Mean Length	485	485	490	470	485	470	
S.E.	0.9	0.9	1.2	-	0.9	0.0	

**Table 4.** Average fish lengths in millimeters rounded to the nearest 5 mm for years 2004 – 2006.

Average Lengths of Males by Age Class (mm)						
Year	1.1	1.2	1.3	2.1	2.2	2.3
2004	340	495	560	355	500	550
SE	22.1	2.0	2.6	-	4.3	7.0
2005	380	505	560	-	515	560
SE	1.5	7.2	1.9	-	6.0	3.2
2006	480	480	490	-	485	-
SE	1.4	1.7	1.9	-	1.3	-

Average Lengths of Females by Age Class (mm)						
Year	1.1	1.2	1.3	2.1	2.2	2.3
2004	-	485	540	-	490	540
SE	-	1.8	2.6	-	3.9	8.0
2005	-	495	550	-	495	550
SE	-	5.6	1.5	-	6.2	3.6
2006	485	485	490	470	485	470
SE	0.8	0.9	1.5	-	1.4	0.0

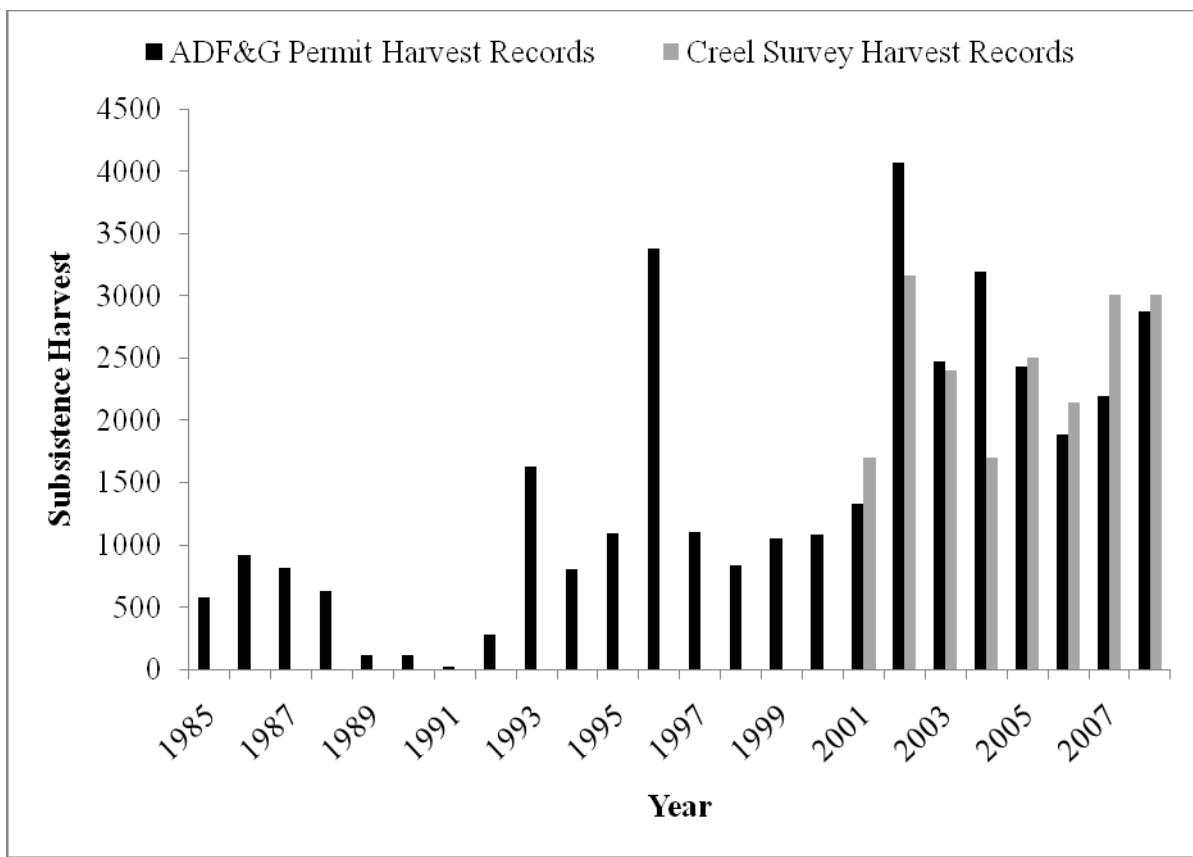
Average Lengths of Combined Sexes by Age Class (mm)						
Year	1.1	1.2	1.3	2.1	2.2	2.3
2004	340	490	550	355	495	545
SE	14.1	1.3	2.0	-	2.9	5.2
2005	375	500	555	-	505	555
SE	14.7	4.7	1.3	-	4.5	2.4
2006	485	485	490	470	485	470
SE	0.9	0.9	1.2	-	0.9	0.0

### Subsistence and Sport Harvest

A total of 34 creel surveys were conducted at Klag Bay during the 2006 field season. Of these, 16 of the groups surveyed were subsistence harvesters and 18 were sport fishing. A total of 2,143 sockeye were harvested as reported by creel surveys, down from an estimated 2,900 in 2004 (Stahl et al. 2007) and 2,500 in 2005 (Woody and Conitz, 2008). Beach seines were the most effective method of harvest with a total of 1,956 sockeye taken and a catch-per-unit effort (CPUE) of 26.8 sockeye/hr. Gill nets accounted for 132 harvested sockeye (CPUE = 7.5) and angling methods accounted 52 (CPUE = 1.3). Combining harvest totals with escapement totals yields an overall sockeye return of 19,838 fish to the terminal area. The exploitation rate of the 2006 return (2006 harvest divided by the overall return to Klag Bay) was approximately 11%,

down from 14% in 2004 and 15% in 2005. This however does not include the portion of the population that may have been subjected to commercial harvest. Commercial harvest on the Klag Bay sockeye population is unknown.

Harvest numbers reported by creel surveyors were slightly higher than those reported to ADF&G by subsistence fishermen. ADF&G records indicate there were 1,885 sockeye harvested at Klag Bay in 2006. A graph of historical harvest data reveals an upward harvesting trend at Klag Bay since 1985 (Figure 4). The highest harvest on record was in 2002 when 4,065 sockeye taken from Klag Bay.



**Figure 5.** Historical subsistence harvest data from Klag Bay as reported on harvest permits (Data supplied by Dave Gordon, ADF&G).

## **DISCUSSION**

The 2006 sockeye escapement was strong relative to recent years at 17,695 sockeye successfully counted through the weir on the Klag Lake outflow. The weir count was utilized as the official escapement estimate due to insufficient/missing mark-recapture data. The weir however is a solid, fish-tight weir and no indications of weir failures or fish breaching and escaping uncounted have ever been reported. Therefore, the escapement count is considered to be accurate and reliable data and because it is relatively close to previous years, it is likely a close estimate to the actual escapement. In addition, when mark-recapture estimates were considered valid they were similar to actual weir counts in all five previous years of this project and the weir counts were utilized as the official estimates (Conitz and Cartwright 2002; Lorrigan et al. 2004; Conitz et al. 2005; Woody and Conitz 2008).

Age and sex distribution data were similar to previous years with age 1.3 fish comprising the largest proportion of the run and a close proportion of males to females. In 2004 and 2005 overall lengths ranged from 340 mm – 560 mm and 380 – 560 mm respectively. Length measurements in 2006 ranged from 305 mm – 590 mm including all age classes.

The estimated harvest in 2006 (2,143 sockeye) was lower than harvests in both 2004 and 2005. With an exploitation rate of only 11% of terminal abundance (4% and 5% lower than 2004 and 2005 respectively) it would appear that this is a healthy, sustainable fishery. Harvest data as reported by subsistence fishermen are kept on file by ADF&G. With the exception of 2006, numbers reported by creel surveyors at Klag Bay have historically been lower than those reported to ADF&G by the harvesters. This has created question about the need for a creel survey at Klag Bay. The creel survey however, may act as a deterrent to fishermen that may otherwise not report correctly to ADF&G and it is the only means of validation of self-reported harvest numbers. In addition, creel surveys provide important in-season harvest estimation allowing managers to ensure an adequate escapement make it to spawning grounds. Because the field crew is already on site and the additional effort and cost is negligible, I recommend that creel surveys continue to be conducted and the data be reported in addition to ADF&G harvest reports.

## **ACKNOWLEDGEMENTS**

I would like to thank Terry Suminski (U.S. Forest Service), Dave Gordon (ADF&G), and Troy Tydingco (ADF&G) for their assistance in many facets of this report and Iris Frank (ADF&G) for her outstanding work with scale ageing. I would also like to thank the STA field crew who were responsible for the collection of data during the 2006 field season, Brian Woody who acted as weir manager and Richard Didrickson who provided assistance in transportation, data collection, and logistical support. Finally I would like to thank the sport and subsistence fishers who participated in the sockeye creel surveys.

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## APPENDICES

**Appendix A. Numbers of subsistence fishing permits, total annual subsistence harvest, and average number of sockeye harvested per permit. (ADF&G Commercial Fisheries Database 2008).**

Year	Number of Permits	Sockeye Harvest	Average Harvest per Permit
1985	29	582	20
1986	46	919	20
1987	42	816	19
1988	26	629	24
1989	5	114	23
1990	5	115	23
1991	1	23	23
1992	11	276	25
1993	59	1626	28
1994	31	809	26
1995	28	1098	39
1996	100	3381	34
1997	42	1106	26
1998	33	834	25
1999	42	1048	25
2000	48	1082	23
2001	65	1325	20
2002	94	4065	43
2003	70	2475	35
2004	75	3196	43
2005	62	2431	39
2006	42	1885	45
Average	43	1356	29
1985-2001 average	36	928	25
2002-2006 average	69	2810	41

Appendix B. Daily weir count data sheet.

## Sockeye Daily Weir Count Data Form

Lake	Weather	Samplers:
Trap	Water Level	
Date	Water Temp	
Mark Used	Air Temp	

Sampling Period	Time	Fish Counts By Species							# of Sockeye Marked
		Sockeye	Coho	King	Chum	Pink	Dolly Varden	Other	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
Daily Totals									
Number of mortalities at the weir (indicate whether marked or not)									

## **Appendix C. Sockeye harvest daily interview form (Subsistence and Sport).**

## Sockeye Harvest Daily Interview Form (Subsistence and Sport)

### Stream :

### Samplers:

Date:

Start Time:

End Time:

**Appendix D. Age, Sex, and Length (mm) data (scales analyzed by ADF&G scale analysis lab in Douglas, Alaska) for 2006 Klag Lake samples.**

SAMPLE_DATE	STAT_WEEK	AGE_EUROPEAN	SEX CODE M = 1 F = 2	LENGTH (mm)
7/21/2006	29	12	1	470
7/21/2006	29	22	1	480
7/21/2006	29	22	2	460
7/27/2006	30	12	1	490
7/27/2006	30	12	2	530
7/27/2006	30	12	2	500
7/27/2006	30	22	1	490
7/27/2006	30	22	1	470
7/27/2006	30	22	1	520
7/27/2006	30	22	1	490
7/27/2006	30	22	1	470
7/27/2006	30	22	2	510
7/28/2006	30	12	2	490
7/28/2006	30	13	1	455
7/28/2006	30	13	1	495
7/28/2006	30	13	2	490
7/28/2006	30	21	2	470
7/28/2006	30	22	1	525
7/28/2006	30	22	1	520
7/28/2006	30	22	1	520
7/28/2006	30	22	1	420
7/28/2006	30	22	1	485
7/28/2006	30	22	1	475
7/28/2006	30	22	2	515
7/28/2006	30	22	2	455
7/28/2006	30	22	2	485
7/28/2006	30	22	2	480
7/28/2006	30	22	2	485
7/28/2006	30	22	2	405
7/28/2006	30	22	2	495
7/28/2006	30	22	2	525
7/29/2006	30	12	1	490
7/29/2006	30	12	1	500
7/29/2006	30	12	1	530
7/29/2006	30	12	1	520
7/29/2006	30	12	1	480
7/29/2006	30	12	1	480
7/29/2006	30	12	2	420
7/29/2006	30	12	2	500
7/29/2006	30	13	1	480
7/29/2006	30	13	1	490
7/29/2006	30	13	1	530

7/29/2006	30	13	1	465
7/29/2006	30	13	1	535
7/29/2006	30	13	2	485
7/29/2006	30	13	2	515
7/29/2006	30	13	2	500
7/29/2006	30	22	1	480
7/29/2006	30	22	1	555
7/29/2006	30	22	1	430
7/29/2006	30	22	1	490
7/29/2006	30	22	1	430
7/29/2006	30	22	1	465
7/29/2006	30	22	1	450
7/29/2006	30	22	1	480
7/29/2006	30	22	1	500
7/29/2006	30	22	1	510
7/29/2006	30	22	1	525
7/29/2006	30	22	1	440
7/29/2006	30	22	1	520
7/29/2006	30	22	2	490
7/29/2006	30	22	2	415
7/29/2006	30	22	2	520
7/29/2006	30	22	2	530
7/29/2006	30	22	2	410
7/29/2006	30	22	2	465
7/29/2006	30	22	2	455
7/29/2006	30	22	2	550
7/29/2006	30	22	2	440
7/29/2006	30	23	2	470
7/29/2006	30	23	2	470
7/31/2006	31	12	1	530
7/31/2006	31	12	1	490
7/31/2006	31	12	1	460
7/31/2006	31	13	1	460
7/31/2006	31	13	1	485
7/31/2006	31	13	1	525
7/31/2006	31	13	2	515
7/31/2006	31	22	1	470
7/31/2006	31	22	2	540
7/31/2006	31	22	2	520
8/1/2006	31	11	1	510
8/1/2006	31	11	1	485
8/1/2006	31	11	2	480
8/1/2006	31	12	1	515
8/1/2006	31	12	1	480
8/1/2006	31	12	1	430
8/1/2006	31	12	1	490
8/1/2006	31	12	1	500
8/1/2006	31	12	1	475
8/1/2006	31	12	1	515
8/1/2006	31	12	1	440

8/1/2006	31	12	1	535
8/1/2006	31	12	1	480
8/1/2006	31	12	1	460
8/1/2006	31	12	1	430
8/1/2006	31	12	1	450
8/1/2006	31	12	1	470
8/1/2006	31	12	1	475
8/1/2006	31	12	1	505
8/1/2006	31	12	1	480
8/1/2006	31	12	1	490
8/1/2006	31	12	1	485
8/1/2006	31	12	1	525
8/1/2006	31	12	1	455
8/1/2006	31	12	1	475
8/1/2006	31	12	1	530
8/1/2006	31	12	1	460
8/1/2006	31	12	1	440
8/1/2006	31	12	1	485
8/1/2006	31	12	1	490
8/1/2006	31	12	1	435
8/1/2006	31	12	2	535
8/1/2006	31	12	2	420
8/1/2006	31	12	2	535
8/1/2006	31	12	2	510
8/1/2006	31	12	2	500
8/1/2006	31	12	2	480
8/1/2006	31	12	2	500
8/1/2006	31	12	2	550
8/1/2006	31	12	2	470
8/1/2006	31	12	2	470
8/1/2006	31	12	2	540
8/1/2006	31	12	2	465
8/1/2006	31	13	1	480
8/1/2006	31	13	1	485
8/1/2006	31	13	1	505
8/1/2006	31	13	1	385
8/1/2006	31	13	1	495
8/1/2006	31	13	1	480
8/1/2006	31	13	1	500
8/1/2006	31	13	2	490
8/1/2006	31	13	2	510
8/1/2006	31	22	1	525
8/1/2006	31	22	1	425
8/1/2006	31	22	1	485
8/1/2006	31	22	1	465
8/1/2006	31	22	1	470
8/1/2006	31	22	1	430
8/1/2006	31	22	1	470
8/1/2006	31	22	1	455
8/1/2006	31	22	1	450

8/1/2006	31	22	1	490
8/1/2006	31	22	1	495
8/1/2006	31	22	1	490
8/1/2006	31	22	1	485
8/1/2006	31	22	1	475
8/1/2006	31	22	1	515
8/1/2006	31	22	1	470
8/1/2006	31	22	1	520
8/1/2006	31	22	1	415
8/1/2006	31	22	1	470
8/1/2006	31	22	1	540
8/1/2006	31	22	1	510
8/1/2006	31	22	2	470
8/1/2006	31	22	2	520
8/1/2006	31	22	2	520
8/1/2006	31	22	2	535
8/1/2006	31	22	2	510
8/1/2006	31	22	2	520
8/1/2006	31	22	2	480
8/3/2006	31	11	1	485
8/3/2006	31	11	1	465
8/3/2006	31	11	2	515
8/3/2006	31	12	1	515
8/3/2006	31	12	1	483
8/3/2006	31	12	1	410
8/3/2006	31	12	1	480
8/3/2006	31	12	1	465
8/3/2006	31	12	1	540
8/3/2006	31	12	1	515
8/3/2006	31	12	2	490
8/3/2006	31	12	2	445
8/3/2006	31	12	2	540
8/3/2006	31	13	1	300
8/3/2006	31	13	1	475
8/3/2006	31	13	1	480
8/3/2006	31	13	1	450
8/3/2006	31	13	1	510
8/3/2006	31	13	2	430
8/3/2006	31	13	2	510
8/3/2006	31	13	2	535
8/3/2006	31	22	1	480
8/3/2006	31	22	1	450
8/3/2006	31	22	1	460
8/3/2006	31	22	1	520
8/3/2006	31	22	1	490
8/3/2006	31	22	1	470
8/3/2006	31	22	1	500
8/3/2006	31	22	1	505
8/3/2006	31	22	1	470
8/3/2006	31	22	1	445

8/3/2006	31	22	2	510
8/3/2006	31	22	2	455
8/3/2006	31	22	2	485
8/3/2006	31	22	2	350
8/3/2006	31	22	2	485
8/3/2006	31	22	2	460
8/3/2006	31	22	2	510
8/3/2006	31	22	2	495
8/3/2006	31	22	2	515
8/4/2006	31	11	1	430
8/4/2006	31	11	2	470
8/4/2006	31	12	1	455
8/4/2006	31	12	1	555
8/4/2006	31	12	1	480
8/4/2006	31	12	1	470
8/4/2006	31	12	1	405
8/4/2006	31	12	1	455
8/4/2006	31	12	1	435
8/4/2006	31	12	1	490
8/4/2006	31	12	1	475
8/4/2006	31	12	1	495
8/4/2006	31	12	1	310
8/4/2006	31	12	1	440
8/4/2006	31	12	1	490
8/4/2006	31	12	2	475
8/4/2006	31	12	2	490
8/4/2006	31	12	2	465
8/4/2006	31	12	2	475
8/4/2006	31	12	2	480
8/4/2006	31	12	2	370
8/4/2006	31	12	2	490
8/4/2006	31	13	1	465
8/4/2006	31	13	1	430
8/4/2006	31	13	1	590
8/4/2006	31	13	2	480
8/4/2006	31	22	1	480
8/4/2006	31	22	1	455
8/4/2006	31	22	1	470
8/4/2006	31	22	1	485
8/4/2006	31	22	1	490
8/4/2006	31	22	1	430
8/4/2006	31	22	1	480
8/4/2006	31	22	1	460
8/4/2006	31	22	2	465
8/4/2006	31	22	2	515
8/4/2006	31	22	2	470
8/4/2006	31	22	2	460
8/4/2006	31	22	2	470
8/5/2006	31	11	1	495
8/5/2006	31	12	1	425

8/5/2006	31	12	1	465
8/5/2006	31	12	1	450
8/5/2006	31	12	1	540
8/5/2006	31	12	1	470
8/5/2006	31	12	1	480
8/5/2006	31	12	1	490
8/5/2006	31	12	1	440
8/5/2006	31	12	2	470
8/5/2006	31	12	2	465
8/5/2006	31	12	2	505
8/5/2006	31	12	2	460
8/5/2006	31	13	1	490
8/5/2006	31	13	1	425
8/5/2006	31	13	2	470
8/5/2006	31	13	2	500
8/5/2006	31	13	2	465
8/5/2006	31	13	2	455
8/5/2006	31	13	2	480
8/5/2006	31	22	1	480
8/5/2006	31	22	1	520
8/5/2006	31	22	1	475
8/5/2006	31	22	1	475
8/5/2006	31	22	1	485
8/5/2006	31	22	2	485
8/5/2006	31	22	2	545
8/5/2006	31	22	2	485
8/5/2006	31	22	2	460
8/6/2006	32	12	1	500
8/6/2006	32	12	1	500
8/6/2006	32	12	1	475
8/6/2006	32	12	1	470
8/6/2006	32	12	1	570
8/6/2006	32	12	1	525
8/6/2006	32	12	1	430
8/6/2006	32	12	1	480
8/6/2006	32	12	1	500
8/6/2006	32	12	2	435
8/6/2006	32	12	2	490
8/6/2006	32	12	2	465
8/6/2006	32	12	2	480
8/6/2006	32	12	2	530
8/6/2006	32	12	2	475
8/6/2006	32	12	2	490
8/6/2006	32	12	2	455
8/6/2006	32	12	2	580
8/6/2006	32	12	2	510
8/6/2006	32	13	1	520
8/6/2006	32	13	2	445
8/6/2006	32	13	2	470
8/6/2006	32	13	2	520

8/6/2006	32	22	1	450
8/6/2006	32	22	1	465
8/6/2006	32	22	1	530
8/6/2006	32	22	1	465
8/6/2006	32	22	1	500
8/6/2006	32	22	1	540
8/6/2006	32	22	1	470
8/6/2006	32	22	1	500
8/6/2006	32	22	1	520
8/6/2006	32	22	2	450
8/6/2006	32	22	2	440
8/6/2006	32	22	2	520
8/6/2006	32	22	2	465
8/6/2006	32	22	2	495
8/6/2006	32	22	2	480
8/6/2006	32	22	2	490
8/7/2006	32	11	1	460
8/7/2006	32	11	1	515
8/7/2006	32	11	1	480
8/7/2006	32	11	1	460
8/7/2006	32	12	1	485
8/7/2006	32	12	1	480
8/7/2006	32	12	1	525
8/7/2006	32	12	1	455
8/7/2006	32	12	1	490
8/7/2006	32	12	1	510
8/7/2006	32	12	2	500
8/7/2006	32	12	2	480
8/7/2006	32	12	2	475
8/7/2006	32	12	2	475
8/7/2006	32	12	2	500
8/7/2006	32	12	2	490
8/7/2006	32	12	2	530
8/7/2006	32	12	2	500
8/7/2006	32	12	2	480
8/7/2006	32	12	2	440
8/7/2006	32	12	2	460
8/7/2006	32	13	2	475
8/7/2006	32	13	2	495
8/7/2006	32	13	2	520
8/7/2006	32	22	1	505
8/7/2006	32	22	1	485
8/7/2006	32	22	1	525
8/7/2006	32	22	1	500
8/7/2006	32	22	1	510
8/7/2006	32	22	1	480
8/7/2006	32	22	1	500
8/7/2006	32	22	1	460
8/7/2006	32	22	2	455
8/7/2006	32	22	2	495

8/7/2006	32	22	2	495
8/7/2006	32	22	2	495
8/7/2006	32	22	2	465
8/7/2006	32	22	2	310
8/8/2006	32	11	1	480
8/8/2006	32	11	1	490
8/8/2006	32	12	1	485
8/8/2006	32	12	1	460
8/8/2006	32	12	1	480
8/8/2006	32	12	1	500
8/8/2006	32	12	1	510
8/8/2006	32	12	1	480
8/8/2006	32	12	2	495
8/8/2006	32	12	2	535
8/8/2006	32	12	2	475
8/8/2006	32	12	2	500
8/8/2006	32	12	2	470
8/8/2006	32	12	2	475
8/8/2006	32	12	2	480
8/8/2006	32	13	1	480
8/8/2006	32	13	1	485
8/8/2006	32	22	1	440
8/8/2006	32	22	1	470
8/8/2006	32	22	1	460
8/8/2006	32	22	1	430
8/8/2006	32	22	1	490
8/8/2006	32	22	1	450
8/8/2006	32	22	1	490
8/8/2006	32	22	1	510
8/8/2006	32	22	1	475
8/8/2006	32	22	2	490
8/8/2006	32	22	2	460
8/8/2006	32	22	2	460
8/8/2006	32	22	2	475
8/8/2006	32	22	2	410
8/8/2006	32	22	2	485
8/8/2006	32	22	2	460
8/8/2006	32	22	2	445
8/8/2006	32	22	2	495
8/8/2006	32	22	2	485
8/8/2006	32	22	2	480
8/8/2006	32	22	2	550
8/8/2006	32	22	2	480
8/8/2006	32	22	2	470
8/9/2006	32	11	1	440
8/9/2006	32	11	1	450
8/9/2006	32	12	1	505
8/9/2006	32	12	1	465
8/9/2006	32	12	1	460
8/9/2006	32	12	1	520

8/9/2006	32	12	1	555
8/9/2006	32	12	1	470
8/9/2006	32	12	2	455
8/9/2006	32	12	2	465
8/9/2006	32	12	2	490
8/9/2006	32	12	2	490
8/9/2006	32	12	2	460
8/9/2006	32	13	1	480
8/9/2006	32	13	2	495
8/9/2006	32	22	1	480
8/9/2006	32	22	1	480
8/9/2006	32	22	1	530
8/9/2006	32	22	2	485
8/9/2006	32	22	2	480
8/10/2006	32	11	2	490
8/10/2006	32	12	1	495
8/10/2006	32	12	1	500
8/10/2006	32	12	1	505
8/10/2006	32	12	1	450
8/10/2006	32	12	1	505
8/10/2006	32	12	1	500
8/10/2006	32	12	1	305
8/10/2006	32	12	1	510
8/10/2006	32	12	1	505
8/10/2006	32	12	1	490
8/10/2006	32	12	1	460
8/10/2006	32	12	1	480
8/10/2006	32	12	2	420
8/10/2006	32	12	2	510
8/10/2006	32	12	2	480
8/10/2006	32	12	2	515
8/10/2006	32	12	2	525
8/10/2006	32	12	2	490
8/10/2006	32	12	2	470
8/10/2006	32	12	2	510
8/10/2006	32	12	2	460
8/10/2006	32	12	2	480
8/10/2006	32	12	2	530
8/10/2006	32	13	1	520
8/10/2006	32	13	1	470
8/10/2006	32	13	2	470
8/10/2006	32	13	2	485
8/10/2006	32	13	2	435
8/10/2006	32	13	2	495
8/10/2006	32	22	1	470
8/10/2006	32	22	1	520
8/10/2006	32	22	1	445
8/10/2006	32	22	1	480
8/10/2006	32	22	1	535
8/10/2006	32	22	2	480

8/11/2006	32	11	1	470
8/11/2006	32	12	1	560
8/11/2006	32	12	1	520
8/11/2006	32	12	1	450
8/11/2006	32	12	1	440
8/11/2006	32	12	1	510
8/11/2006	32	12	1	500
8/11/2006	32	12	1	515
8/11/2006	32	12	1	460
8/11/2006	32	12	1	545
8/11/2006	32	12	1	450
8/11/2006	32	12	1	435
8/11/2006	32	12	2	480
8/11/2006	32	12	2	510
8/11/2006	32	12	2	535
8/11/2006	32	12	2	540
8/11/2006	32	12	2	490
8/11/2006	32	12	2	500
8/11/2006	32	12	2	500
8/11/2006	32	12	2	520
8/11/2006	32	13	1	520
8/11/2006	32	13	1	480
8/11/2006	32	13	1	485
8/11/2006	32	13	2	520
8/11/2006	32	13	2	580
8/11/2006	32	13	2	585
8/11/2006	32	13	2	490
8/11/2006	32	13	2	475
8/11/2006	32	13	2	505
8/11/2006	32	22	1	500
8/11/2006	32	22	1	520
8/11/2006	32	22	1	510
8/11/2006	32	22	1	510
8/11/2006	32	22	1	500
8/11/2006	32	22	1	500
8/11/2006	32	22	1	480
8/11/2006	32	22	1	500
8/11/2006	32	22	2	490
8/11/2006	32	22	2	460
8/11/2006	32	22	2	470
8/12/2006	32	11	1	460
8/12/2006	32	12	1	485
8/12/2006	32	12	1	490
8/12/2006	32	12	1	470
8/12/2006	32	12	1	490
8/12/2006	32	12	1	500
8/12/2006	32	12	1	495
8/12/2006	32	12	1	465
8/12/2006	32	12	1	465
8/12/2006	32	12	1	460

8/12/2006	32	12	2	515
8/12/2006	32	12	2	440
8/12/2006	32	12	2	480
8/12/2006	32	12	2	470
8/12/2006	32	12	2	480
8/12/2006	32	12	2	470
8/12/2006	32	12	2	480
8/12/2006	32	12	2	530
8/12/2006	32	12	2	480
8/12/2006	32	12	2	455
8/12/2006	32	12	2	470
8/12/2006	32	12	2	435
8/12/2006	32	13	1	480
8/12/2006	32	13	1	460
8/12/2006	32	13	1	480
8/12/2006	32	13	2	470
8/12/2006	32	13	2	475
8/12/2006	32	22	1	515
8/12/2006	32	22	1	470
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9/6/2006	36	22	2	520
9/6/2006	36	22	2	505
9/6/2006	36	22	2	555
9/7/2006	36	11	1	505
9/7/2006	36	11	1	515
9/7/2006	36	11	1	480
9/7/2006	36	11	1	455
9/7/2006	36	11	2	455
9/7/2006	36	11	2	440
9/7/2006	36	12	2	470
9/7/2006	36	12	2	510
9/7/2006	36	12	2	490
9/7/2006	36	12	2	370
9/7/2006	36	12	2	450
9/7/2006	36	12	2	480
9/7/2006	36	12	2	465
9/7/2006	36	12	2	480
9/7/2006	36	13	2	505
9/7/2006	36	22	1	465
9/7/2006	36	22	1	430
9/7/2006	36	22	2	470
9/7/2006	36	22	2	490
9/8/2006	36	11	2	460
9/8/2006	36	11	2	430
9/8/2006	36	12	2	520
9/8/2006	36	12	2	495
9/8/2006	36	12	2	410
9/8/2006	36	12	2	510
9/8/2006	36	12	2	450
9/8/2006	36	12	2	445
9/8/2006	36	12	2	465
9/8/2006	36	12	2	480
9/8/2006	36	12	2	470
9/8/2006	36	13	2	480
9/8/2006	36	13	2	545
9/8/2006	36	13	2	490
9/8/2006	36	13	2	480
9/8/2006	36	22	1	490
9/8/2006	36	22	1	495

9/8/2006	36	22	2	480
9/8/2006	36	22	2	470
9/8/2006	36	22	2	475
9/9/2006	36	11	1	465
9/9/2006	36	11	1	470
9/9/2006	36	11	2	470
9/9/2006	36	12	1	495
9/9/2006	36	12	2	555
9/9/2006	36	12	2	575
9/9/2006	36	12	2	455
9/9/2006	36	12	2	465
9/9/2006	36	13	2	495
9/9/2006	36	13	2	480
9/9/2006	36	13	2	540
9/9/2006	36	13	2	530
9/9/2006	36	22	1	515
9/9/2006	36	22	1	485
9/9/2006	36	22	2	420
9/9/2006	36	22	2	495
9/9/2006	36	22	2	480
9/9/2006	36	22	2	480
9/9/2006	36	22	2	490
9/9/2006	36	22	2	450
9/10/2006	37	11	1	430
9/10/2006	37	12	1	510
9/10/2006	37	12	2	525
9/10/2006	37	12	2	480
9/10/2006	37	12	2	460
9/10/2006	37	12	2	480
9/10/2006	37	12	2	520
9/10/2006	37	13	2	340
9/10/2006	37	13	2	500
9/10/2006	37	13	2	490
9/10/2006	37	13	2	490
9/10/2006	37	13	2	495
9/10/2006	37	13	2	485
9/10/2006	37	22	1	500
9/10/2006	37	22	1	515
9/10/2006	37	22	2	430
9/10/2006	37	22	2	460
9/10/2006	37	22	2	445
9/10/2006	37	22	2	475
9/10/2006	37	22	2	540
9/11/2006	37	12	1	470
9/11/2006	37	12	2	470
9/11/2006	37	12	2	520
9/11/2006	37	12	2	470
9/11/2006	37	12	2	470
9/11/2006	37	12	2	510
9/11/2006	37	12	2	455

9/11/2006	37	12	2	460
9/11/2006	37	12	2	475
9/11/2006	37	13	1	570
9/11/2006	37	13	1	465
9/11/2006	37	13	2	485
9/11/2006	37	22	1	505
9/11/2006	37	22	2	530
9/11/2006	37	22	2	470
9/11/2006	37	22	2	480
9/11/2006	37	22	2	530
9/11/2006	37	22	2	430
9/11/2006	37	22	2	500

**Appendix E. 2006 Klag Bay sport and subsistence harvest data.**

Date	Time(24hr)	Interview #	Fishery Subsistence- 1	Sport-2	Gear type	Hours Per	Total Hours	Species					
								Sockeye	Coho	Chum	Chinook	Pink	Other
7/2/2006	800	1		1	GN	1.5	1.5	0	0	0	0	0	0
	1330	2		1	GN/2	2	4	0	0	0	0	0	0
7/5/2006	2100	1		2	Rod/2	2	4	2	1	0	0	0	0
7/6/2006	1230	1		2	Rod/1	1	1	1	0	0	0	0	0
	1400	2		1		0	0	0	0	0	0	0	0
7/7/2006	600	1		1	GN	4	4	0	0	0	0	0	0
7/10/2006	930	1		2	Rod/1	1	1	1	0	0	0	0	0
	1115	2		2	Rod/1	2	2	3	0	0	0	0	0
	1500	3		2	Rod/1	2	2	3	0	0	0	0	0
	1700	4		2	Rod/1	1	1	3	0	0	0	0	0
	1200	1		2	Rod/2	2	4	5	0	0	0	0	0
7/11/2006	1800	2		2	Rod/2	2	4	2	0	0	0	1	0
7/12/2006	915	1		1	BS	2	2	300	0	0	0	0	0
7/13/2006	1700	1		2	Rod/1	1	1	0	1	0	0	0	0
7/15/2006		1		1	BS	1	1	250	0	0	0	0	0
7/17/2006	900	1		2	Rod/3	2	6	3	0	0	0	0	0
	1437	2		1	GN	4	4	17	0	1	0	0	0
	1800	3		2	Rod/1	2	2	0	0	0	0	1	0
	1230	1		1	BS	5	5	500	0	0	0	0	0
	1430	2		1	BS			300	0	0	0	0	0
7/18/2006	2100	3		1	BS	2	2	60	0	0	0	0	0
	1730	1		1	BS	3	3	150	0	0	0	0	0
	1730	2		2	Rod/1	2	2	30	0	1	0	0	0
	1130	1		1	BS	1	1	300	0	0	0	0	0
7/27/2006	1000	1		2	Rod/2	10	20	11	2	0	0	0	0
7/28/2006	1130	1		2	Rod/4	5	20	11	0	0	0	5	0
7/29/2006	1200	1		2	Rod/5	3	15	24	0	2	0	0	0
	1330	2		1	GN	2	2	100	0	5	0	0	0

	1400	3	1	GN	2	2	15	0	0	0	0	0
8/2/2006		1	1	BS	1	1	50	15	0	0	0	0
8/3/2006		1	2	Rod/1	2	2	2	2	0	0	1	0
8/6/2006	2000	1	1	BS	3	3						
8/7/2006	1300	1	2	Rod/3	3	9	0	6	0	0	0	0
8/8/2006	1500	1	2	Rod/1	1	1	0	1	0	0	0	0
<b>Total</b>		34	Subs. =16	Rod =18	Rod =44	Rod =97	2143	28	9	0	8	0
	1200		Sport =18	BS =9	BS =18	BS =18						
	1200			GN =6	GN =15.5	GN =17.5						
					total=77.5	total=132.5						

**Appendix F. 2006 Daily weir count (sockeye).**

Date	Daily Weir Count	Date	Daily Weir Count
7/1/2006	0	8/7/2006	1819
7/2/2006	14	8/8/2006	565
7/3/2006	4	8/9/2006	88
7/4/2006	1	8/10/2006	94
7/5/2006	0	8/11/2006	103
7/6/2006	0	8/12/2006	248
7/7/2006	0	8/13/2006	873
7/8/2006	0	8/14/2006	431
7/9/2006	1	8/15/2006	252
7/10/2006	0	8/16/2006	313
7/11/2006	0	8/17/2006	394
7/12/2006	0	8/18/2006	0
7/13/2006	0	8/19/2006	574
7/14/2006	0	8/20/2006	234
7/15/2006	0	8/21/2006	133
7/16/2006	0	8/22/2006	224
7/17/2006	0	8/23/2006	283
7/18/2006	0	8/24/2006	938
7/19/2006	0	8/25/2006	819
7/20/2006	2	8/26/2006	157
7/21/2006	4	8/27/2006	21
7/22/2006	2	8/28/2006	0
7/23/2006	0	8/29/2006	48
7/24/2006	0	8/30/2006	20
7/25/2006	0	8/31/2006	266
7/26/2006	44	9/1/2006	0
7/27/2006	122	9/2/2006	68
7/28/2006	150	9/3/2006	0
7/29/2006	56	9/4/2006	79
7/30/2006	3	9/5/2006	30
7/31/2006	26	9/6/2006	80
8/1/2006	458	9/7/2006	175
8/2/2006	753	9/8/2006	56
8/3/2006	524	9/9/2006	55
8/4/2006	240	9/10/2006	29
8/5/2006	1649	9/11/2006	36
8/6/2006	4137	9/12/2006	0