

Kuskokwim River Salmon Management Working Group

1 (800) 315-6338 (MEET) Code: 58756# (KUSKO)

ADF&G Bethel toll free: 1 (855) 933-2433

Meeting Agenda

Date: August 27, 2013

Time: 1:00 pm

Place: Bethel

Time Called to Order

Chair

Time Adjourned

ROLL CALL TO ESTABLISH QUORUM:

Upriver Elder:

Downriver Elder:

Commercial Fisher:

Lower River Subsistence:

Middle River Subsistence:

Upper River Subsistence:

Headwaters Subsistence:

QUORUM MET? Yes / No

Processor:

Member at Large:

Sport Fisher:

Western Interior RAC:

Y-K Delta RAC:

ADF&G:

INTRODUCTIONS:

INVOCATION:

APPROVAL OF AGENDA: *Chairs suggest tabling continuing business.*

APPROVAL OF MINUTES:

PEOPLE TO BE HEARD:

CONTINUING BUSINESS:

OLD BUSINESS:

Summary of Unalakleet Chinook Summit – Bev Hoffman

NEW BUSINESS:

1. Development of a KRSMWG Mission Statement – Mark Leary/Dave Cannon
2. Starting the season closed and then open
3. Windows schedules
4. Gear restrictions
 - a. Mesh size
 - b. Net length
 - c. Use of set nets
 - d. Dip nets
5. Addressing quality of escapement
6. Voluntary reductions
7. Attaining more than an advisory role
8. Limit to Federally Qualified Users of the Kuskokwim Region
9. Additional recommendations
10. Bycatch update and notes from YR DFA Bycatch Teleconference- Casie (if time allows)

COMMENTS FROM WORKING GROUP MEMBERS:

NEXT MEETING DATE: _____ Time: _____ Place: _____

Kuskokwim River Salmon Management Working Group

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Information Packet

August 27, 2013

NEW BUSINESS:

From: mark leary [mailto:napaimute@gci.net]

Sent: Monday, August 26, 2013 9:44 AM

To: Shelden, Christopher A (DFG)

Cc: Dave Cannon; Beverly Hoffman; Casie Stockdale

Subject: draft mission statement

Hi Chris,

Here is our draft mission statement:

The Mission of the Kuskokwim Salmon Working Group is to promote the sustainability of our salmon populations for the People of the entire Kuskokwim River from it's mouth to the headwaters. We recognize the importance of salmon to all user groups, including, in order of priority: Subsistence fishers, Commercial fishers, and Sports Fishers. We also recognize that the ultimate priority is the salmon themselves and that ensuring adequate escapement must take the highest priority above all user groups.

Thanks.

Mark Leary

Director of Development & Operations

The Native Village of Napaimute

P.O. Box 1301

Bethel, AK. 99559

Ph: (907)543-2887 (Bethel), (907)222-5058 (Napaimute), (907)222-6084 (Napaimute Community Building)

Cell: (907)545-2877

Visit Napaimute on the web: www.napaimute.org



Village of Lower Kalskag
PO Box 27
Lower Kalskag, AK 99626
NEW Phone #: (907) 471-2300 Fax #: (907) 471-2378
Email: village_of_lower_ta@yahoo.com

Resolution 13-008

A RESOLUTION TO ENSURE THE LONG TERM SUSTAINABILITY OF CHINOOK SALMON STOCKS AND PROVIDE FOR A REASONABLE OPPORTUNITY TO MEET OUR MEMBERS SUBSISTENCE NEEDS WE REQUEST THAT THE ADF&G COMMERCIAL FISHERIES DIVISION AND THE USFWS INSEASON FEDERAL MANAGERS FOR FISHERIES ON THE KUSKOKWIM RIVER TAKE SIGNIFICANT CONSERVATION MEASURES PRIOR TO THE BEGINNING OF THE 2014 CHINOOK SALMON FISHING SEASON

WHEREAS, The trend of low abundance and non-achievement of escapement objectives on the Kuskokwim River for Chinook salmon brings to question the long term sustainability and health of the population; and

WHEREAS, The voluntary conservation efforts by subsistence fishermen have not been successful to the point of reducing harvest to meet escapement objectives; and

WHEREAS, The management tools used for pre-season forecasting and in-season run assessment along with the conservation actions taken in 2013 proved inadequate to manage the fishery and achieve the established escapement objectives; and

WHEREAS, The majority of subsistence users in the mid and upper Kuskokwim River were unable to meet their Chinook harvest needs despite exercising due diligence;

NOW THEREFORE BE IT RESOLVED THAT, The Village of Lower Kalskag request that Fisheries Managers on the Kuskokwim River enact significant restriction and or complete closures on the Chinook salmon subsistence fishery as a pre-season action until such a time that it is highly probable that established escapement objectives will be met, and

THEREFORE BE IT FURTHER RESOLVED THAT, Should no action be taken by Fisheries Managers with regards to this request that a special action request will be submitted to the US Fish and Wildlife Office of Subsistence Management requesting 1) the subsistence fishery be limited to only Federally Qualified Users of the Kuskokwim region, and 2) the pre-season actions requesting herein be immediately implemented.

BE IT FURTHER RESOLVED THAT, The Village of Lower Kalskag also request closing the two Kuskokwim River choke points downriver for the whole 2014 season, which are located at:

- Oscarville/Napaskiak
- Joe Pete's

CERTIFICATION

The foregoing resolution was passed and approved by a poll vote of the Village of Lower Kalskag Tribal Council, in which the vote 5 Yes, 0 No, 0 absent, and 0 abstaining; this 19th day of August, 2013.


Nastasia Levi – President


Anita Williams – Secretary

Native Village of Chuathbaluk

Chuathbaluk Traditional Council
#1 Teen Center Trail
Chuathbaluk, Alaska 99557-8999

Resolution # 2013-24

**A RESOLUTION OF THE NATIVE VILLAGE OF CHUATHBALUK,
CHUATHBALUK TRADITIONAL COUNCIL, TO EMBRACE THE
TRADITIONAL VALUES OF OUR ELDERS BY RESPECTING OUR
RESOURCES AND ENACTING CONSERVATION PRACTICES THAT
ENSURES EQUITABLE MANAGEMENT OF SAID RESOURCES**

WHEREAS, The Chuathbaluk Traditional Council is an Alaska Native Village recognized as an Indian tribe pursuant to the previous Public Law 93-638; Indian Self Determination and Education Assistance Act (88 Stat. 2203, 25 U.S.C. 450 et seq), also pursuant to Public Law 95-608, Indian Child Welfare Act, 25 CFR 23.26; and

WHEREAS, the Chuathbaluk Traditional Council is the duly authorized governing body for the Native Village of Chuathbaluk; and

WHEREAS, the Chuathbaluk Traditional Council is the federally- recognized Tribal Government of the Native Village of Chuathbaluk; and

WHEREAS, the Chuathbaluk Traditional Council identifies that the low abundance and non-achievement of escapement goals for the Kuskokwim River Chinook Fisheries creates a long term sustainability crises; and

WHEREAS, the Chuathbaluk Traditional Council recognizes that the voluntary conservation efforts by various Middle and Upriver Kuskokwim Tribes as well as some Lower River Fishers, has not in and of itself been a successful tool towards meeting escapement objectives; and

WHEREAS, the Chuathbaluk Traditional recognizes that the management tools used for pre-season forecasting and in-season Chinook Salmon run assessment along with the regulations implemented during the 2012 and 2013 season, were inadequate to manage the fishery and failed to achieve the established escapement objectives; and

WHEREAS, the Chuathbaluk Traditional Council strongly believes in the teaching of our elders which specifically addresses the respect for the initial Chinook push as those fish who swim the farthest, the fastest, are the largest, and the strongest breeding stock and as such should be allowed to pass through unmolested; and

WHEREAS, the Federally Recognized Tribe, Native Village of Chuathbaluk were unable to meet their Chinook subsistence needs over the last few years; and

WHEREAS, the Federally Recognized Tribe, Native Village of Chuathbaluk has jurisdiction over its resources be them transient or residential; and

NOW THEREFORE BE IT RESOLVED, the Nation of the Native Village of Chuathbaluk requests that the State of Alaska and the Nation of the United States of America, US Federal Government, enact the significant restrictions including a of complete pre-season closure on the 2014 Chinook Salmon of the Kuskokwim River Basin, as an action until such time as it is highly probable that the established escapement goal is met; and

THEREFORE BE IT FURTHER RESOLVED, that the Nation of the Native Village of Chuathbaluk emphatically states if no action is taken by the State of Alaska or the US Federal Government regarding this subsistence crisis by January 2014, a **Special Action** will be submitted to the US Fish and Wildlife Office of Subsistence Management requesting: 1.) The subsistence fishery be limited to only Federally Qualified users of the Kuskokwim Region; 2.) When opened, that the net length at the choke points of Oscarville/Napaskiak and Joe Petes be limited significantly; 3.) A pre-season closure in effect until escapement is met; 4.) That if and when other regulations i.e., quotas, are placed on the Chinook Fisheries, an equitable distribution as it relates to Village SES factors and family average food security numbers are used as significant factors in the quota determination; and

THEREFORE BE IT FURTHER RESOLVED, the Nation of the Native Village of Chuathbaluk requests on-going Government to Government meetings with the US Fish and Wildlife need to continue until this crisis is resolved.

PASSED AND APPROVED BY A QUORUM OF THE CHUATHBALUK TRADITIONAL COUNCIL THIS DAY OF August 22, 2013 with:

 5 members voting yes,
 0 members voting no,
 0 members abstaining, and
 0 members absent.

ATTEST:



Robert Golley, Chuathbaluk Traditional Council Chairman


Robert Hairell

Bethel Census Area Population Data: Communities of the Bethel Census Area—
population information contributed by Mark Leary

Population, 2012 estimate	17,746	731,449
Population, 2010 (April 1) estimates base	17,013	710,231
Population, percent change, April 1, 2010 to July 1, 2012	4.3%	3.0%
Population, 2010	17,013	710,231
Persons under 5 years, percent, 2012	11.0%	7.5%
Persons under 18 years, percent, 2012	36.2%	25.6%
Persons 65 years and over, percent, 2012	6.3%	8.5%
Female persons, percent, 2012	48.2%	47.9%

Part III. Population of Counties

POPULATION OF BOROUGHES AND CENSUS AREAS -- ALASKA: 1920-1990

Name	1990	1980	1970	1960	1950	1939	1929	1920
ALASKA	550,043	401,851	300,382	226,167	128,643	72,524	59,278	55,036
Aleutians East Borough	2,464	--	--	--	--	--	--	--
Aleutians West Census Area	9,478	7,768	8,057	6,011	--	--	--	--
Anchorage Borough	226,338	174,431	124,542	82,833	--	--	--	--
Angeon	--	--	503	--	--	--	--	--
Bethel Census Area	13,656	10,999	7,579	5,537	--	--	--	--
Bristol Bay Borough	1,410	1,094	1,147	--	--	--	--	--
Cordova-McCarthy	--	--	1,857	1,759	--	--	--	--
Dillingham Census Area	4,012	4,616	3,485	4,024	--	--	--	--
Fairbanks North Star Borough	77,720	53,983	45,864	43,412	--	--	--	--
Haines Borough	2,117	1,680	1,504	--	--	--	--	--
Juneau Borough	26,751	19,528	13,556	9,745	--	--	--	--
Kenai Peninsula Borough	40,802	25,282	14,250	6,097	--	--	--	--
Ketchikan Gateway Borough	13,828	11,316	10,041	10,070	--	--	--	--
Kodiak Island Borough	13,309	9,939	9,409	7,174	--	--	--	--
Kuskokwim	--	--	2,306	2,301	--	--	--	--
Lake and Peninsula Borough	1,668	--	--	--	--	--	--	--
Lynn Canal-Icy Straits	--	--	--	2,945	--	--	--	--
Matanuska-Susitna Borough	39,683	17,816	6,509	5,188	--	--	--	--
Nome Census Area	8,288	6,537	5,749	6,091	--	--	--	--
North Slope Borough	5,979	4,199	2,663	2,133	--	--	--	--
Northwest Arctic Borough	6,113	4,831	4,434	3,560	--	--	--	--
Outer Ketchikan	--	--	1,676	--	--	--	--	--
Prince of Wales-Outer Ketchikan Census Area	6,278	3,822	2,106	1,772	--	--	--	--
Seward	--	--	2,336	2,956	--	--	--	--
Sitka Borough	8,588	7,803	6,109	6,690	--	--	--	--
Skagway-Yakutat-Angoon Census Area	4,385	3,478	2,157	--	--	--	--	--
Southeast Fairbanks Census Area	5,913	5,676	4,179	--	--	--	--	--
Upper Yukon	--	--	1,684	1,619	--	--	--	--
Valdez-Cordova Census Area	9,952	8,348	3,098	2,844	--	--	--	--
Wade Hampton Census Area	5,791	4,665	3,917	3,128	--	--	--	--
Wrangell-Petersburg Census Area	7,042	6,167	4,913	4,181	--	--	--	--
Yukon-Koyukuk Census Area	8,478	7,873	4,752	4,097	--	--	--	--
First Judicial Division	--	--	--	--	28,203	25,241	19,304	17,402
Second Judicial Division	--	--	--	--	12,272	11,877	10,127	10,890
Third Judicial Division	--	--	--	--	59,518	19,312	16,309	16,231
Fourth Judicial Division	--	--	--	--	28,650	16,094	13,538	10,513
Northern District	--	--	--	--	--	--	--	--
Southern District	--	--	--	--	--	--	--	--

ALASKA NOTES

Alaska was purchased from Russia in 1867, with essentially its present boundaries. It was made a territory in 1912 and admitted as a State on January 3, 1959.

Census coverage of Alaska began in 1880. For the censuses of 1930 and 1940, Alaska actually was enumerated in the fall of the preceding year (1929, 1939).

County Notes:

Note 1: Alaska has no counties; the names, boundaries, and designations of the subdivisions reported in the census have evolved considerably over recent decades. In 1990 and 1980, most of the population of the State lived in entities designated as Boroughs; the remainder was reported by Census Areas (sometimes abbreviated C.A.). In 1970, the census was reported by Census Divisions, some of which corresponded to boroughs. In 1960, the census was reported by 24 Election Districts. The table in Part III lists areas that existed in 1990 with their 1990

names and designations. In both the table and the notes, areas listed without any designation had ceased to exist by 1990, when all areas were either Boroughs or Census Areas.

Note 2: For areas that existed in 1950, 1970, or 1980 but not in 1990, the notes specify the areas of which they became part. (Small portions may have come from or gone to other areas not specified.) No designations appear in the table for these extinguished areas; in 1980 they were Census Areas, in 1970 Census Divisions, and in 1960 Election Districts.

Note 3: Aleutians East Borough: formed from Aleutian Islands (now Aleutians West) Census Area (1987). 1980 pop. in 1990 area: 1,643.

Note 4: Aleutians West Census Area: in 1960-80, Aleutian Islands. 1980 pop. in 1990 area: 6,125.

Note 5: Dillingham Census Area: in 1960-70, Bristol Bay (Census Division). 1970 pop. in 1980 area: 3,872; 1980 pop. in 1990 area: 3,232.

Contributed by Casie Stockdale

Table 1. Chinook salmon mortality in BSAI groundfish fisheries (including pollock)

Year	Annual	Annual	Annual	A season	B season	A season	B season	A season	B season
	with CDQ	without CDQ	CDQ only	With CDQ		Without CDQ		CDQ only	
1991	na	48,880	na	na	na	46,392	2,488	na	na
1992	41,955	na	na	31,419	10,536	na	na	na	na
1993	46,014	na	na	24,688	21,326	na	na	na	na
1994	43,821	40,635	3,186	38,921	4,900	36,699	3,936	2,223	963
1995	23,436	21,430	2,006	18,939	4,497	18,284	3,146	655	1,351
1996	63,205	60,802	2,402	43,316	19,888	42,028	18,774	1,289	1,114
1997	50,530	48,050	2,481	16,401	34,129	14,905	33,144	1,496	985
1998	55,431	50,313	5,118	18,930	36,501	17,991	32,322	939	4,179
1999	14,599	12,937	1,662	8,794	5,805	8,205	4,732	589	1,073
2000	8,223	7,474	749	6,568	1,655	6,138	1,336	430	319
2001	40,547	37,986	2,561	24,871	15,676	23,093	14,893	1,778	783
2002	39,684	37,581	2,103	26,277	13,407	24,859	12,722	1,418	685
2003	53,571	50,858	2,713	40,044	13,527	38,249	12,609	1,795	918
2004	59,964	56,957	3,007	30,716	29,248	29,587	27,370	1,129	1,878
2005	74,266	72,226	2,040	33,633	40,632	32,334	39,891	1,299	741
2006	87,084	85,290	1,794	62,582	24,502	60,974	24,316	1,608	186
2007	129,568	123,903	5,666	77,119	52,450	74,003	49,900	3,116	2,550
2008	24,105	23,387	718	18,996	5,109	18,391	4,996	605	113
2009	13,796	13,293	503	11,010	2,786	10,596	2,697	414	89
2010	12,383	12,048	335	9,466	2,917	9,131	2,917	335	0
2011	26,672	25,908	764	7,652	19,020	7,222	18,686	430	334
2012	12,937	12,559	378	8,985	3,952	8,641	3,918	344	34
2013	9,737	9,257	480	9,183	554	8,711	546	472	8

Table 2. Chinook salmon mortality in BSAI pollock directed fisheries.

Year	Annual	Annual	Annual	A season	B season	A season	B season	A season	B season
	with CDQ	without CDQ	CDQ only	With CDQ		Without CDQ		CDQ only	
1991	na	40,906	na	na	na	38,791	2,114	na	na
1992	35,950	na	na	25,691	10,259	na	na	na	na
1993	38,516	na	na	17,264	21,252	na	na	na	na
1994	33,136	30,593	2,543	28,451	4,686	26,871	3,722	1,580	963
1995	14,984	12,978	2,006	10,579	4,405	9,924	3,053	655	1,351
1996	55,623	53,220	2,402	36,068	19,554	34,780	18,441	1,289	1,114
1997	44,909	42,437	2,472	10,935	33,973	9,449	32,989	1,487	985
1998	51,322	46,205	5,118	15,193	36,130	14,253	31,951	939	4,179
1999	11,978	10,381	1,597	6,352	5,627	5,768	4,614	584	1,013
2000	4,961	4,242	719	3,422	1,539	2,992	1,250	430	289
2001	33,444	30,937	2,507	18,484	14,961	16,711	14,227	1,773	734
2002	34,495	32,402	2,093	21,794	12,701	20,378	12,024	1,416	677
2003	45,586	43,021	2,565	32,609	12,977	30,916	12,105	1,693	872
2004	51,696	48,733	2,963	23,093	28,603	21,964	26,769	1,129	1,834
2005	67,362	65,445	1,916	27,331	40,030	26,032	39,413	1,299	617
2006	82,695	80,954	1,741	58,391	24,304	56,806	24,149	1,585	156
2007	121,770	116,128	5,642	69,420	52,350	66,307	49,821	3,113	2,529
2008	21,480	20,839	641	16,638	4,842	16,033	4,806	605	36
2009	12,369	11,922	447	9,711	2,658	9,353	2,569	358	89
2010	9,697	9,362	335	7,630	2,067	7,295	2,067	335	0
2011	25,499	24,735	764	7,137	18,362	6,707	18,028	430	334
2012	11,343	10,994	349	7,765	3,578	7,421	3,573	344	5
2013	8,788	8,308	480	8,234	554	7,762	546	472	8

Notes: Updated 8/8/13

Starting in 2011, the sampling method for salmon in BS pollock directed fisheries changed to census counts

Non-CDQ data for 1991-2002 from blend program database (bsahlx.dbf)

Non-CDQ data for 2003-2010 from Catch Accounting System database (akfish_v_gg_pscnq_estimate)

Non-CDQ data for 2011-2012 from Catch Accounting System database (akfish_v_gg_txn_primary_psc)

CDQ data for 1992-1997 from blend program database (bsahlx.dbf)

CDQ data for 1998 from blend program database (boatrate.dbf)

CDQ data for 1999-2007 from CDQ catch report database (akfish_v_cdq_catch_report_total_catch)

CDQ data for 2008-2010 from Catch Accounting System database (akfish_v_gg_pscnq_estimate_cdq)

CDQ data for 2011-2012 from Catch Accounting System database (akfish_v_gg_txn_primary_psc)

A season - January 1 to June 10

B season - June 11 to December 31

For specific pollock season dates by year see <http://www.alaskafisheries.noaa.gov/sustainablefisheries/pickseas.pdf>

Information Provided by:

Diana Stram, Council Staff Plan Coordinator
Nicole Kimball, ADF&G Staff Commissioner's office, Voting member/Alternate for Cora Campbell, Commissioner of ADFG on the Council
Becca Robbins-Gisclair, Counsel Hobbs Straus Dean & Walker, YRDFA, Advisory Panel NPFMC

Jurisdiction and Management

The North Pacific Fishery Management Council is one of eight regional councils established by the Magnuson- Stevens Fishery Conservation and Management Act in 1976 to manage fisheries in the 200-mile Exclusive Economic Zone (EEZ). The Council primarily manages groundfish in the Gulf of Alaska, Bering Sea, and Aleutian Islands, targeting cod, pollock, flatfish, mackerel, sablefish, and rockfish species harvested by trawl, longline, jig, and pot gear.

The US EEZ extends from 3 miles to 200 miles.

The Council is the system's decision-making body. The Council has eleven voting members and four non-voting members. The State of Alaska Commissioner of ADF&G holds a seat on the Council and plays a key role. Bycatch reduction is a key issue for the Commissioner's office.

The NPFMC provides recommendations to the National Marine Fisheries Service (NMFS). NMFS provides the Council with research information, environmental modeling, stock assessment advice, analytical assistance, restricted access management, regulatory implementation, and in-season monitoring and management of the fisheries. NMFS also reviews and approves recommendations through the office of the Secretary of Commerce. Final decisions are approved by the Secretary of Commerce.

Bering Sea and Aleutian Island Bycatch Management since 2011

In Federal Law: Amendment 91 is an innovative approach to managing Chinook salmon bycatch in the BSAI pollock fishery that combines a limit on the amount of Chinook salmon that may be caught incidentally with incentive plan agreements and performance standard. There is an overall cap of 60,000 Chinook salmon if the pollock fishery is participating in approved incentive plans. There is also a performance standard of 47,591 Chinook salmon. They may exceed the performance standard of 47,591 in two out of any seven years (but only up to 60,000 Chinook salmon). If they exceed the performance standard in a third year out of any seven the cap drops to 47,591 permanently. The program was designed to minimize bycatch to the extent practicable in all years, and prevent bycatch from reaching the limit in most years, while providing the pollock fleet with the flexibility to harvest the total allowable catch. NMFS implemented this program for the 2011 BSAI pollock fishery.

Starting in 2011, the sampling method for salmon in BS pollock directed fisheries changed to census counts.

Chinook bycatch has been found to be generally age 4, 5, and 6 year old salmon. Because the bycatch is multiple ages, the impact of bycatch is felt over multiple years and not just one year. An Adult Equivalency is therefore calculated.

Recent genetic analyses estimate that about 73% of the BSAI Chinook bycatch is bound for Western Alaska (Norton Sound to Bristol Bay, including the middle and upper Yukon).

Current bycatch numbers in the BSAI ground fisheries

A Season (January 1 to June 10) catch in 2013 was 9,183. This is slightly higher than but similar to 2011 (7,652) and 2012 (8,985) and similar to 2010 (9,466). These were all relatively low A season catches.

B Season (June 11 to December 31) so far is 554.

Total BSAI bycatch in all ground fisheries as of August 8, 2013: 9,737.

Total BSA bycatch in the pollock fishery as of August 8 2013: 8,788 (90% of total bycatch all fisheries)

Have easily accessible historical numbers back to 1991. Catches prior to 2011 are considered very accurate but are more accurate since 2011. Since 2011 we have 100% and sometimes 200% observer coverage on all of the pollock fleet and the sampling method changed to census counts rather than sampling.

Russian and Japan EEZ

No current information is available. The US is working to get better information on bycatch in the Russian pollock fishery. We may expect more information in the future as Russia is seeking Marine Stewardship Council certification.

Upcoming:

BSAI Chinook Bycatch Report to be published 2nd Week in September.

Next NPFMC meeting Sept 30-Oct. 8 Anchorage Hilton. Included on the agenda are: Industry IPA report for BSAI chum salmon, BSAI Chinook Salmon Report Review, Salmon Donation Program.

Written comment deadline for next meeting: September 24, 2013

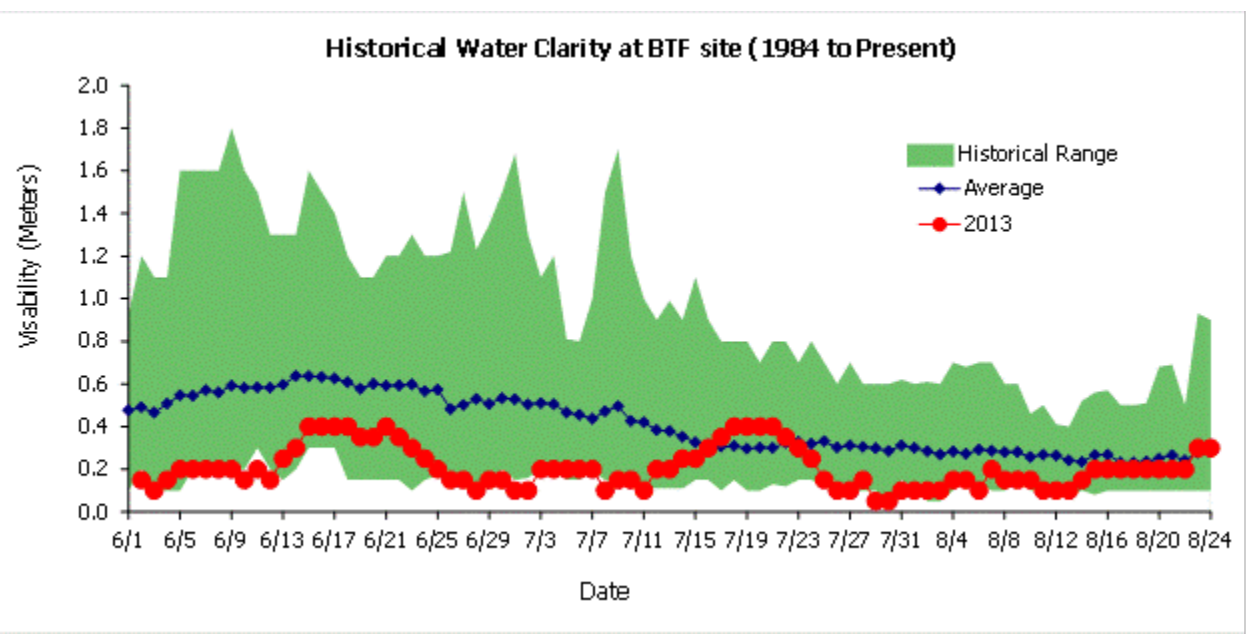
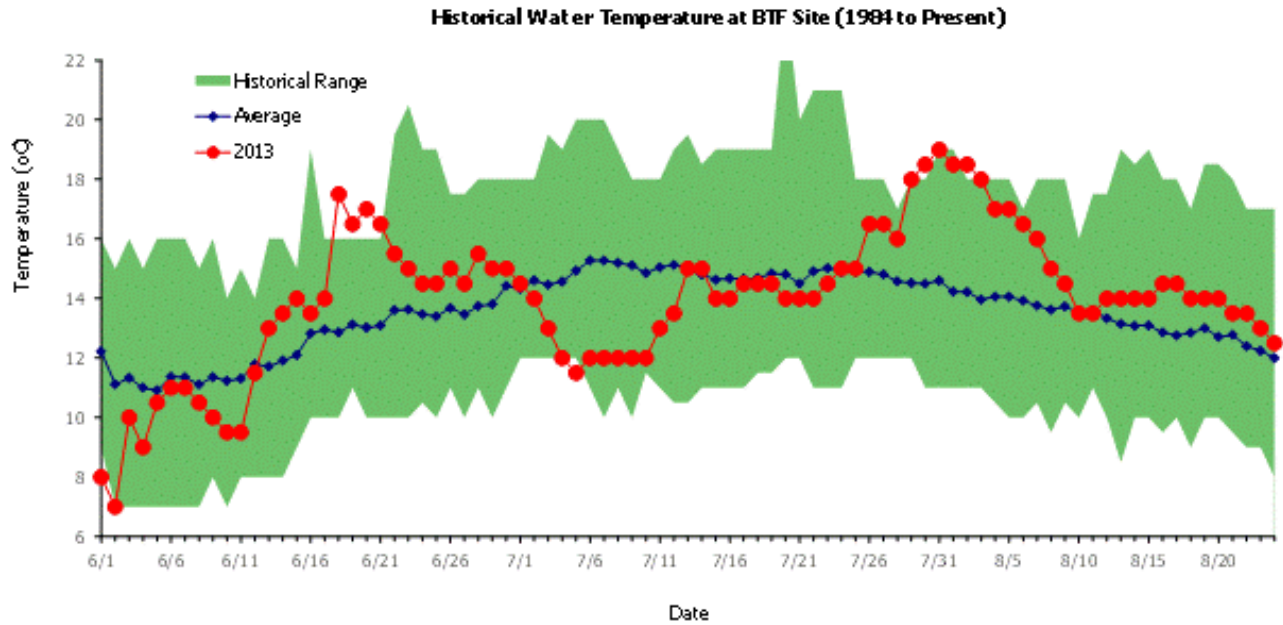
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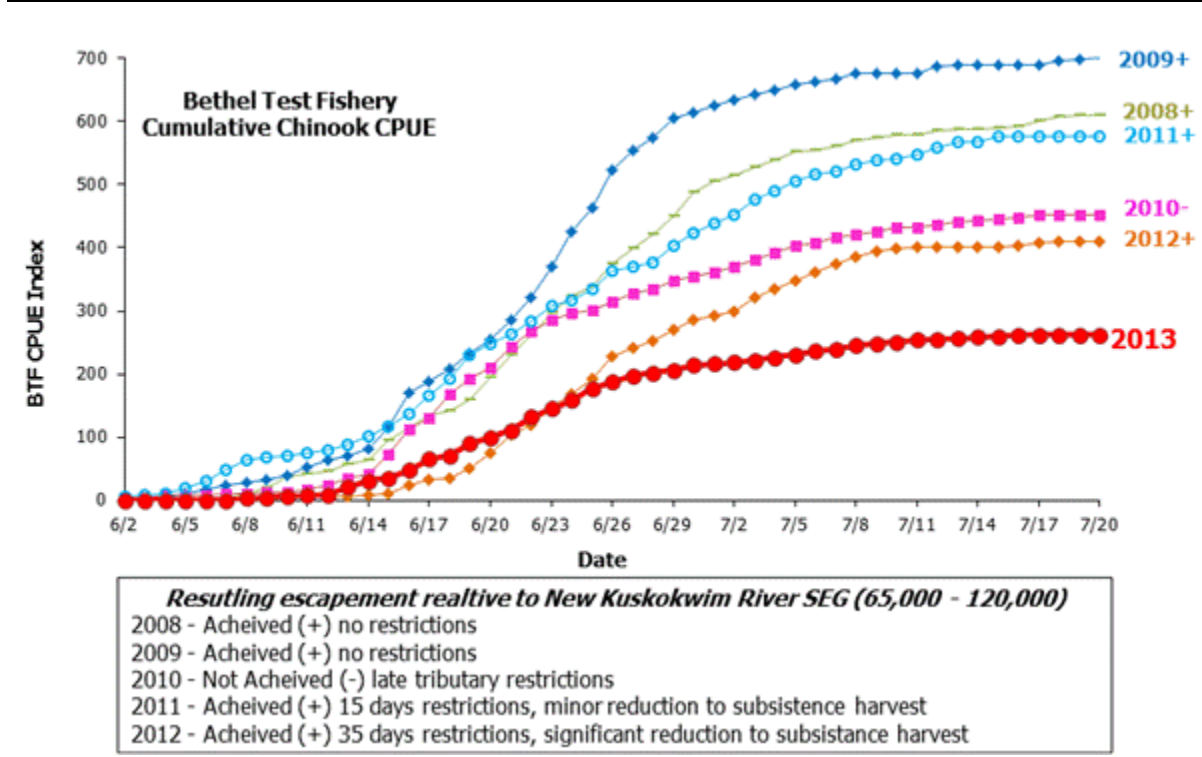
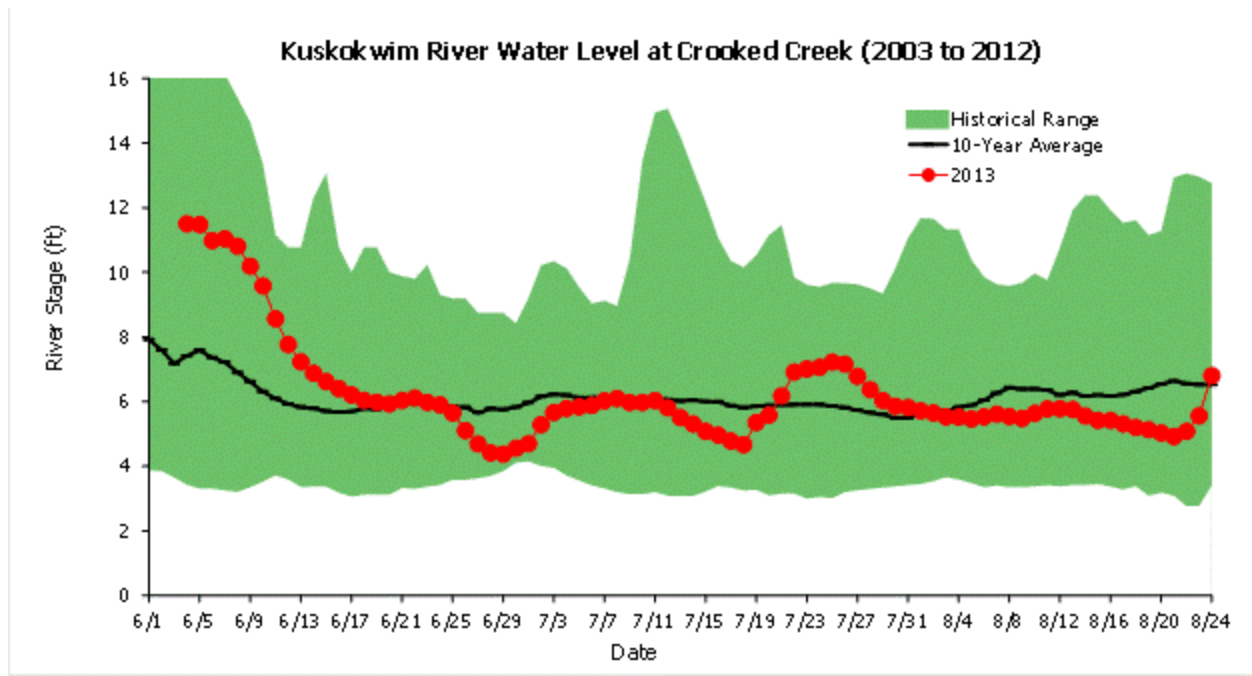
Email: npfmc.comments@noaa.gov (PDF attachments accepted)

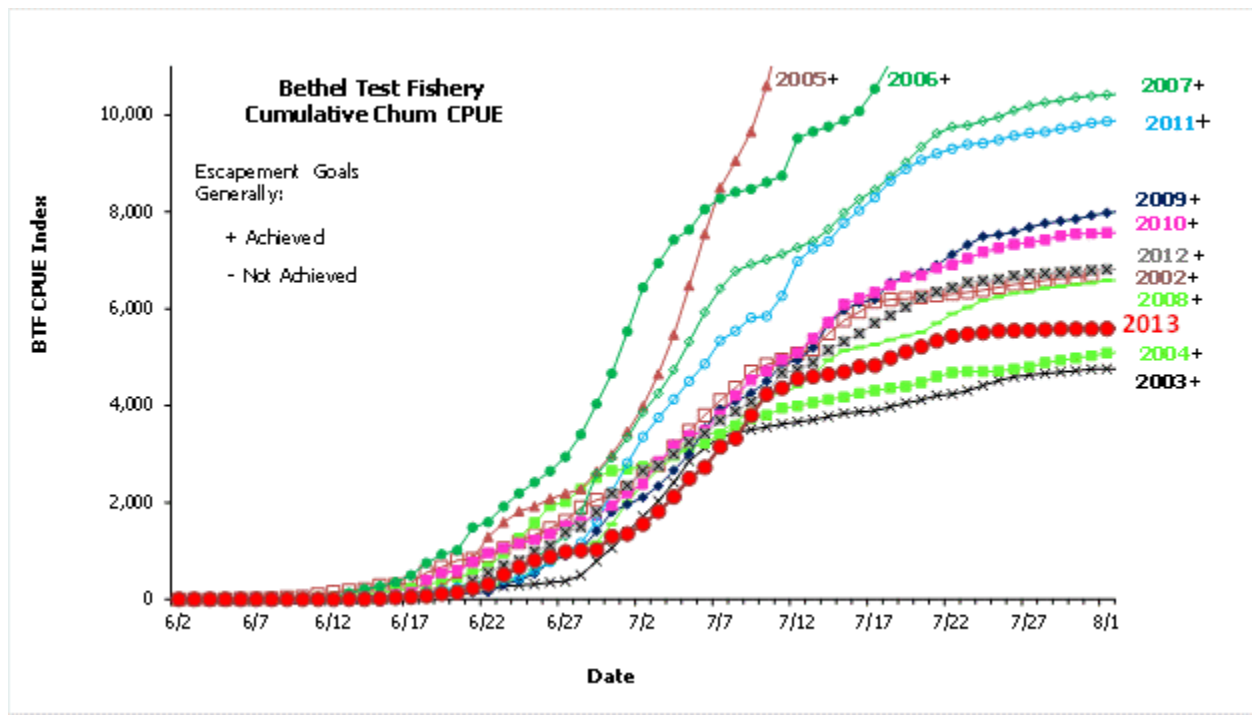
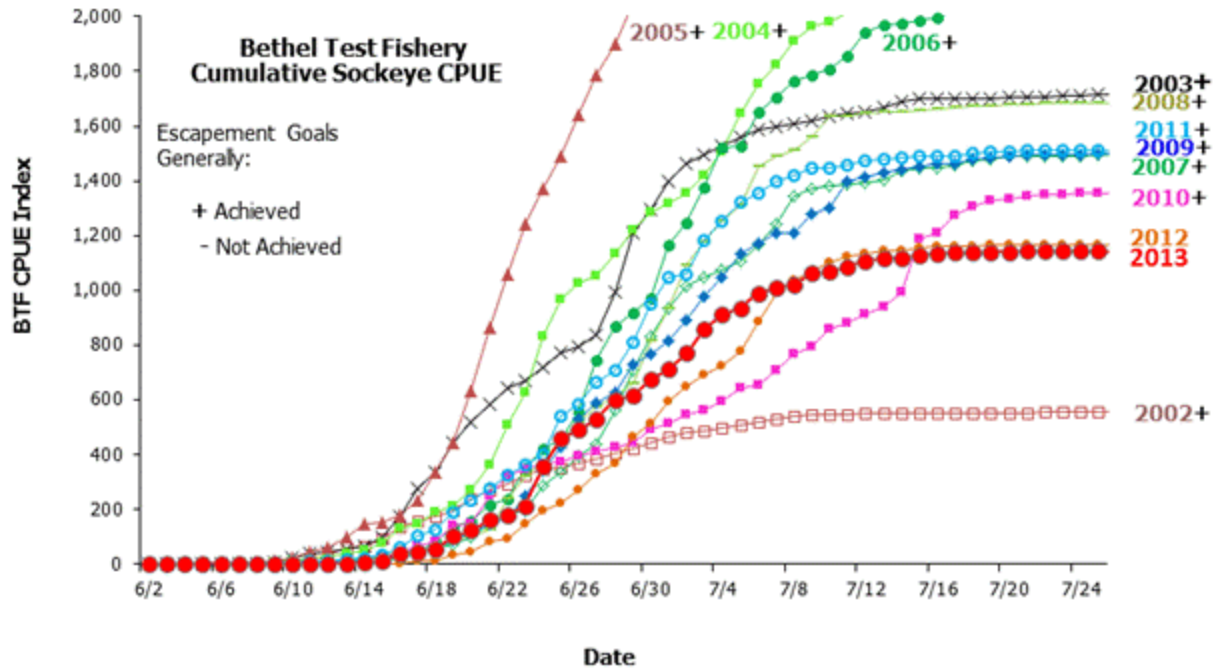
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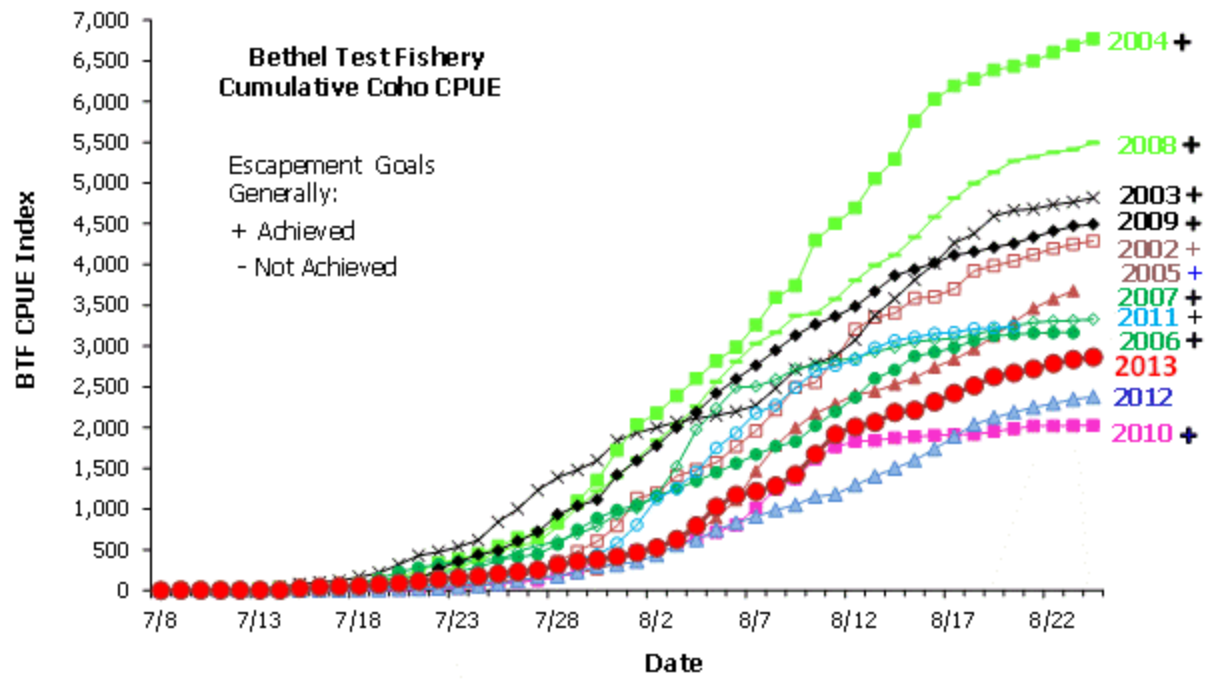
Address: 605 W. 4th Avenue, Suite 306, Anchorage, AK 99501

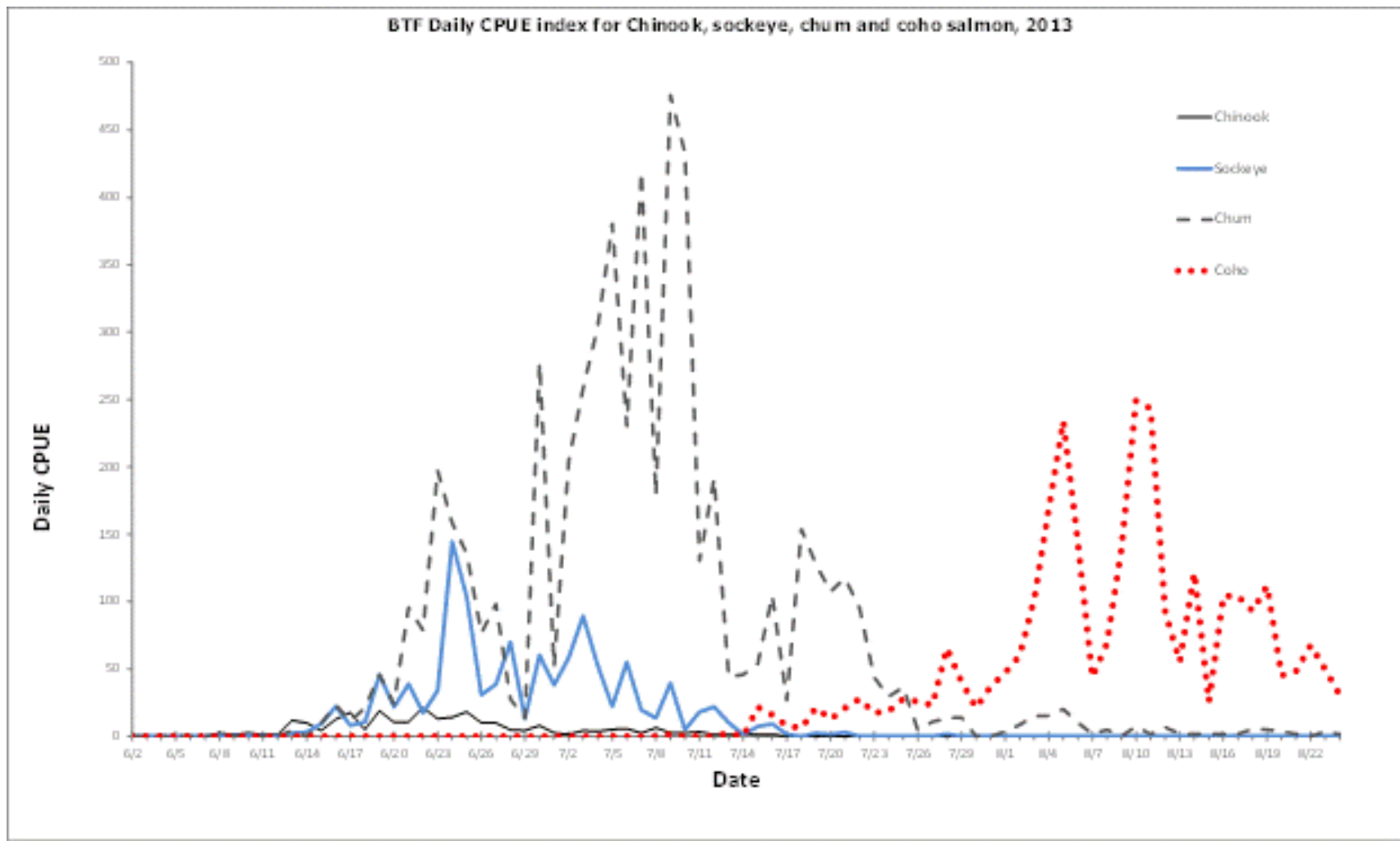
OVERVIEW OF KUSKOKWIM RIVER SALMON RUN ASSESSMENT PROJECTS











ESCAPEMENT MONITORING

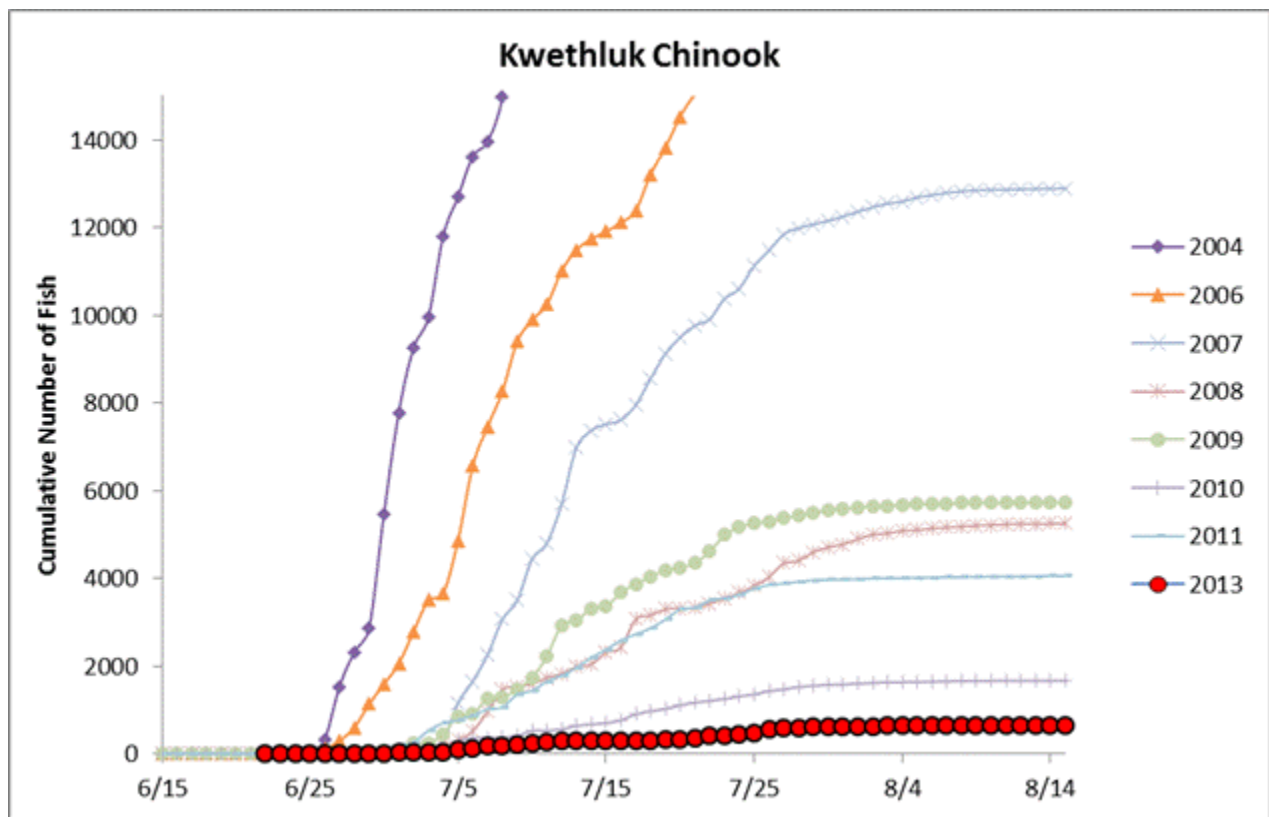
Chinook Escapement (2004 – 2013)

Preliminary (no estimates)

Kwethluk River weir operated from June 21st – August 16th. Partial days reported by USFWS were August 9th and 16th. No estimates have been made at this time for partial days of operation.

Kwethluk River weir season totals										
Escapement Goal Range: 4,100 to 7,500	= years when escapement goal achieved or exceeded									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Season Total	28,605	n.a.	17,619	12,927	5,276	5,744	1,668	4,079	n.a.	652*

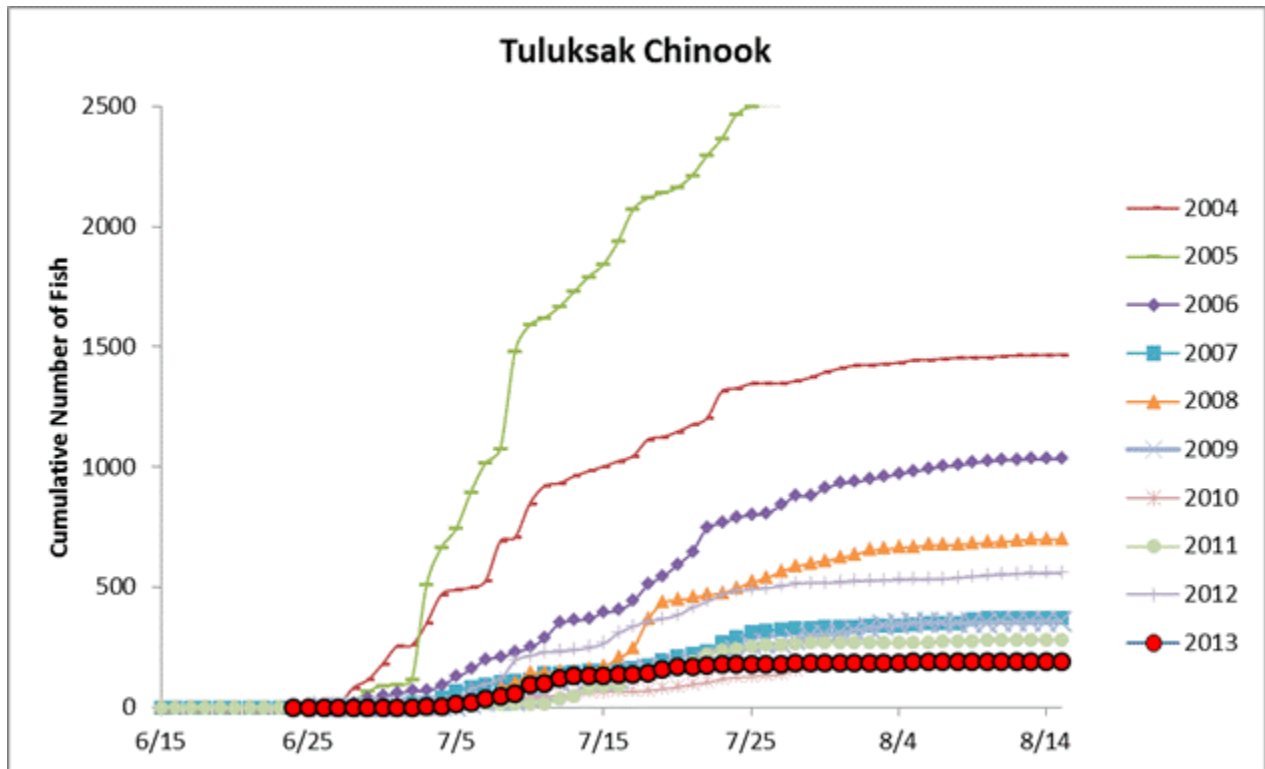
*The 2013 season total is NOT the final escapement number. Estimates will be made at the end of the field season.



Tuluksak River weir began operations on June 24th and has not reported any operational difficulties to date.

Tuluksak River weir season totals										
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Season Total	1,475	2,653	1,043	374	701	362	201	284	560	193*

*The 2013 season total is NOT the final escapement number. Estimates will be made at the end of the field season.

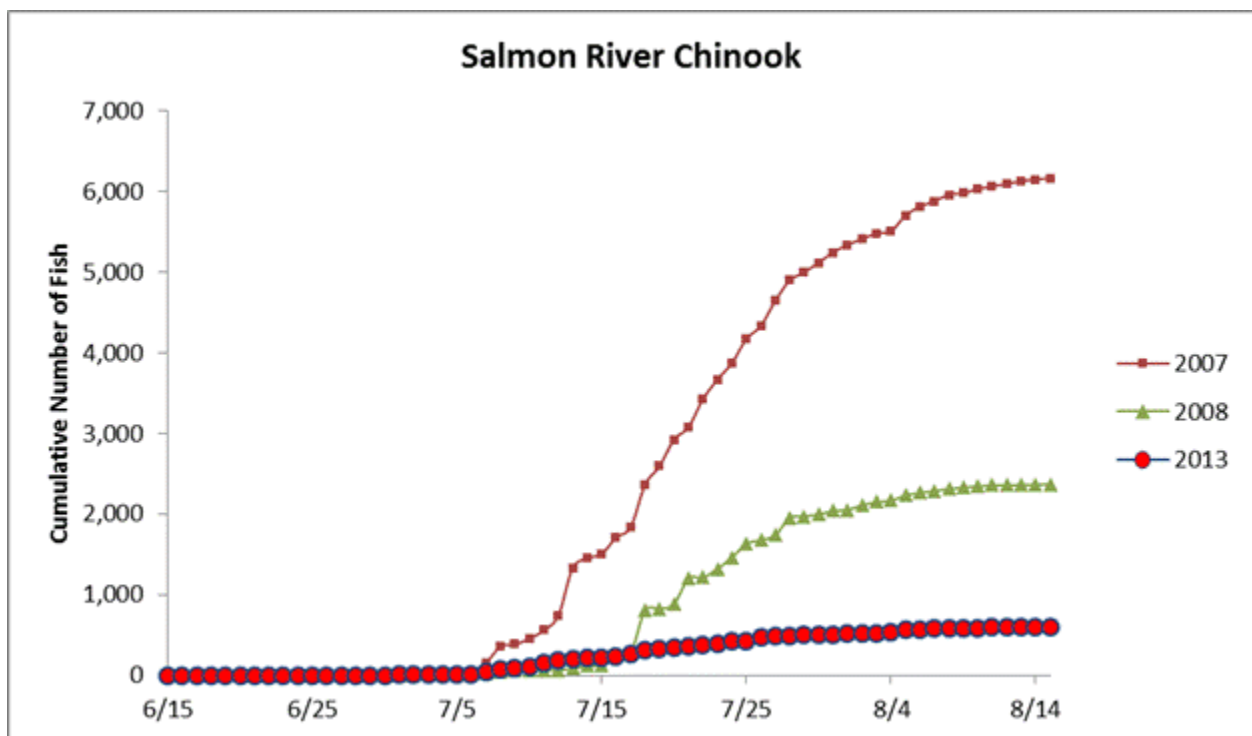


Salmon River weir began operations on June 14th. Partial day counts occurred on July 6th, 14th, and August 7th. No estimates have been made but will likely be minimal.

Salmon River weir season totals						
	2006	2007	2008	2009	2012	2013
Season Total	6,731	6,220	2,376	1,548	n.a.	596*

Note: 2006 and 2009 did not cover the entire Chinook run and season totals are considered incomplete.

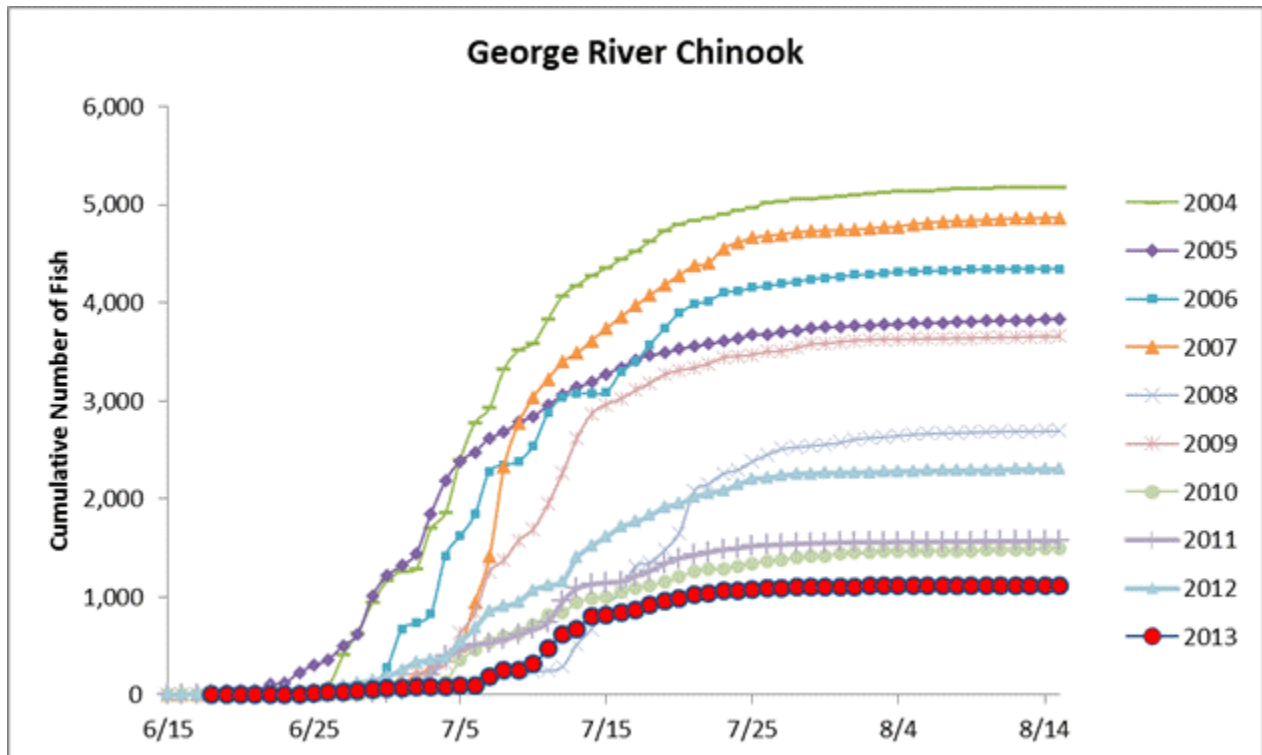
*The 2013 season total is NOT the final escapement number. Estimates will be made at the end of the field season.



George River weir began operations on June 18th. Partial day counts include June 18th and July 7th – 11th. No estimates have been made but will likely be minimal.

George River weir season totals										
Escapement Goal Range: 1,800 to 3,300	= years when escapement goal achieved or exceeded									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Season Total	5,206	3,845	4,355	4,883	2,698	3,663	1,500	1,571	2,302	1,121*

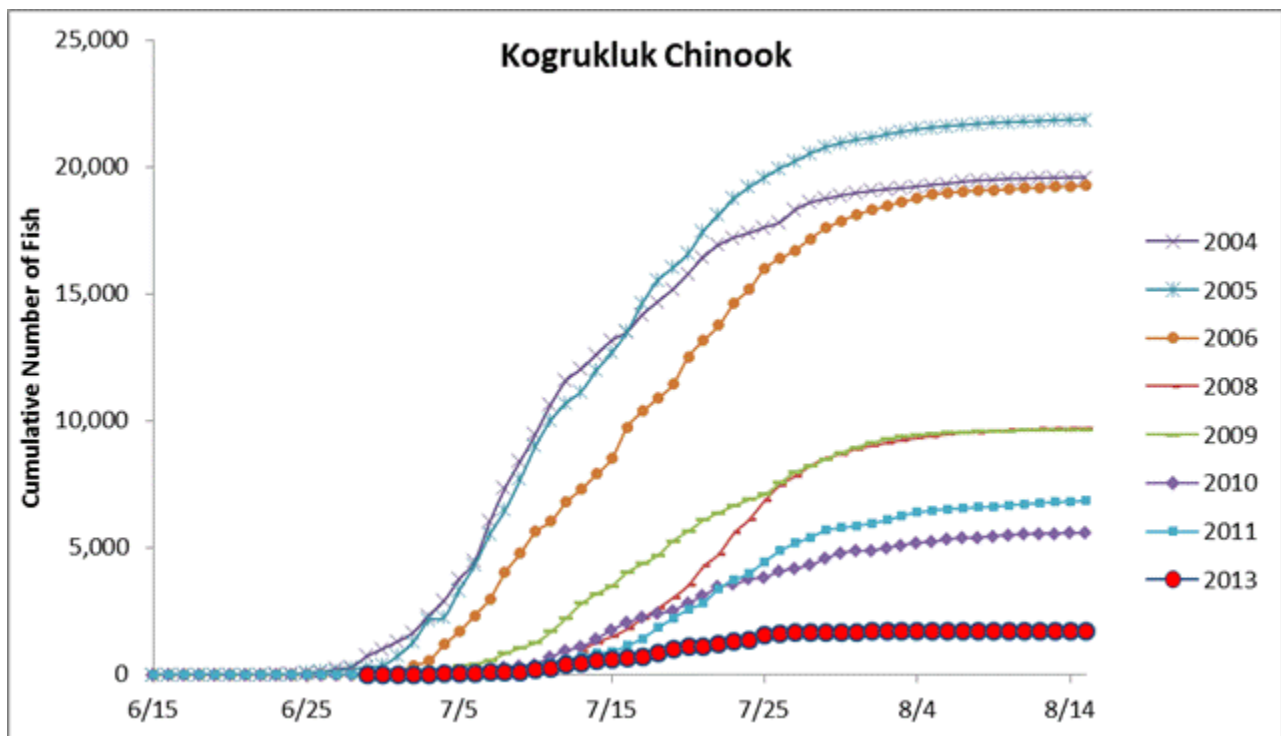
*The 2013 season total is NOT the final escapement number. Estimates will be made at the end of the field season.



Kogrukluk River weir began operations on June 28th. Partial day counts occurred on June 28th, July 7th and 9th, and August 4th, 6th, and 21st. Full days of inoperability included July 8th and August 7th – 20th. No estimates have been made at this time but will likely be minimal.

Kogrukluk River weir season totals										
Escapement Goal Range: 4,800 to 8,800					= years when escapement goal achieved or exceeded					
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Season Total	19,651	21,999	19,414	n.a.	9,730	9,701	5,693	6,890	n.a.	1,701*

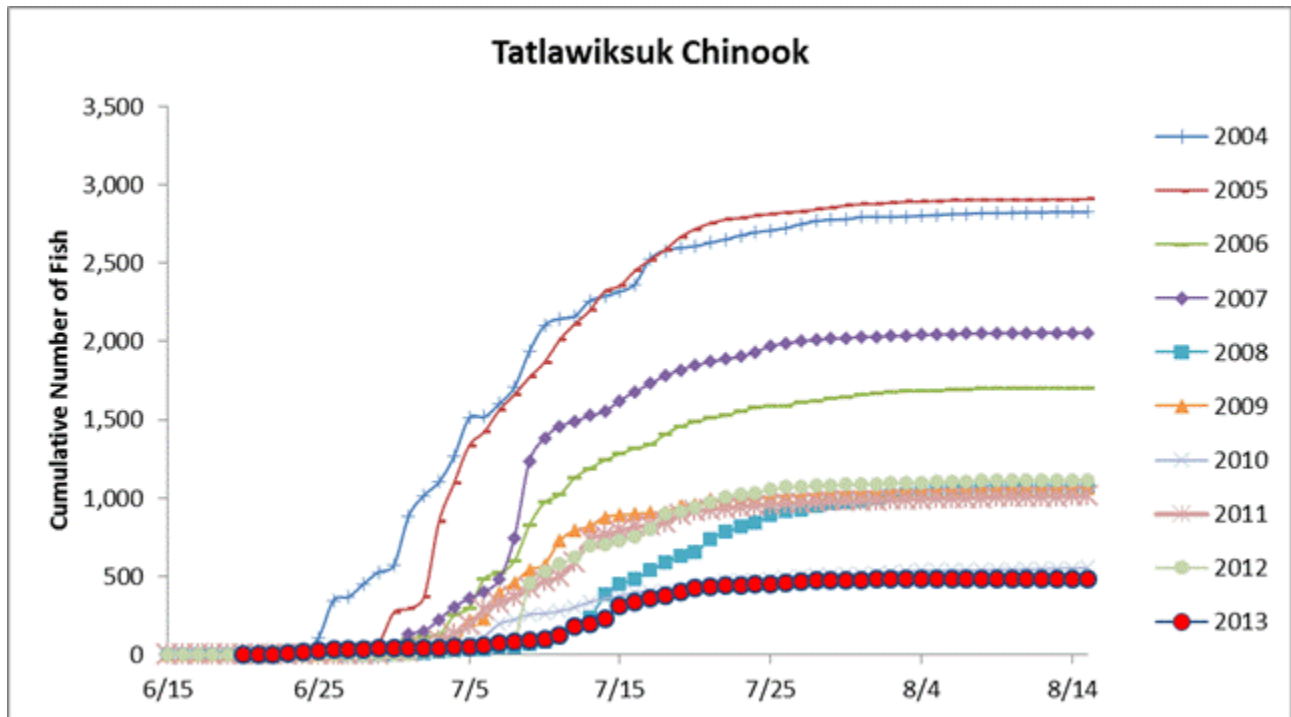
*The 2013 season total is NOT the final escapement number. Estimates will be made at the end of the field season.



Tatlawiksuk River weir began operations on June 19th. June 19th was a partial day count.

Tatlawiksuk River weir season totals										
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Season Total	2,833	2,918	1,700	2,061	1,071	1,071	569	1,014	1,116	485*

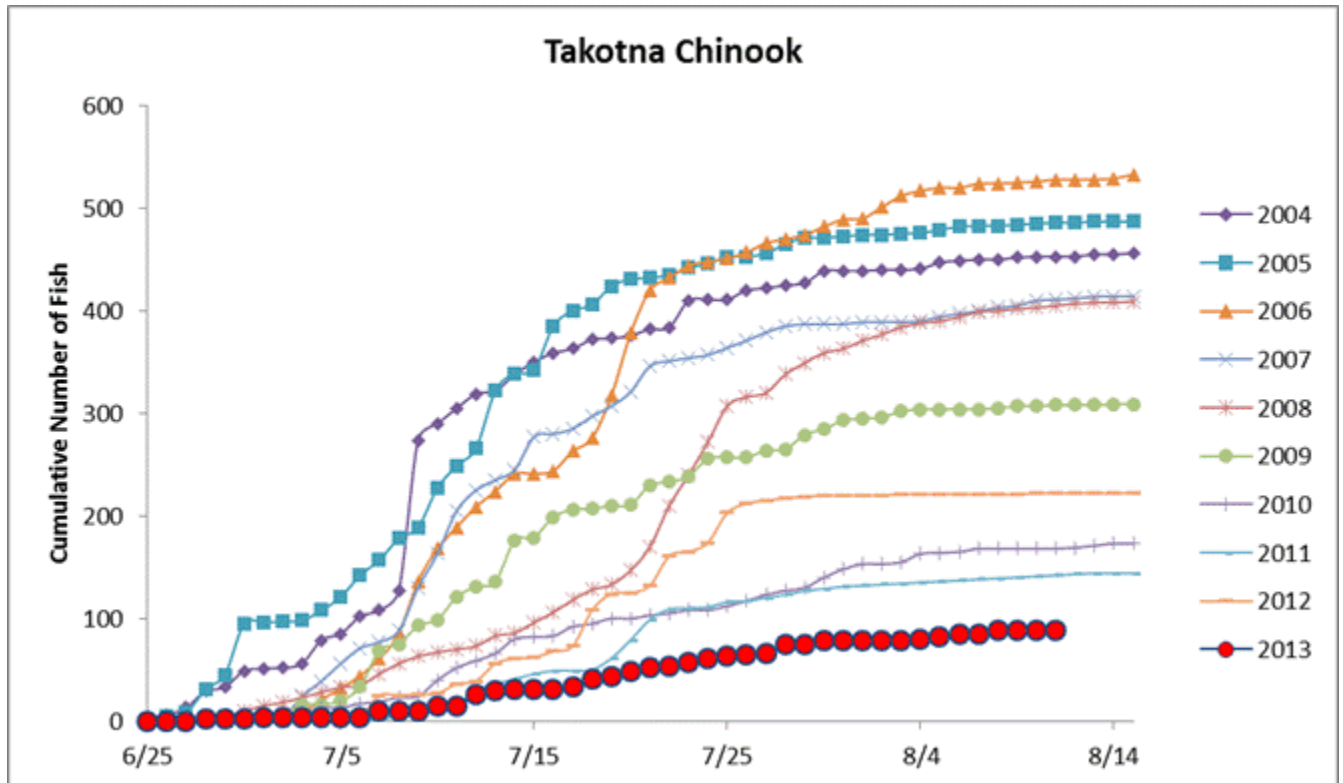
*The 2013 season total is NOT the final escapement number. Estimates will be made at the end of the field season.



Takotna River weir began operations on June 24th. A partial day count occurred on July 14th.

Takotna River weir season totals										
Date	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Season Total	461	499	541	418	413	311	178	148	228	92*

*The 2013 season total is NOT the final escapement number. Estimates will be made at the end of the field season.

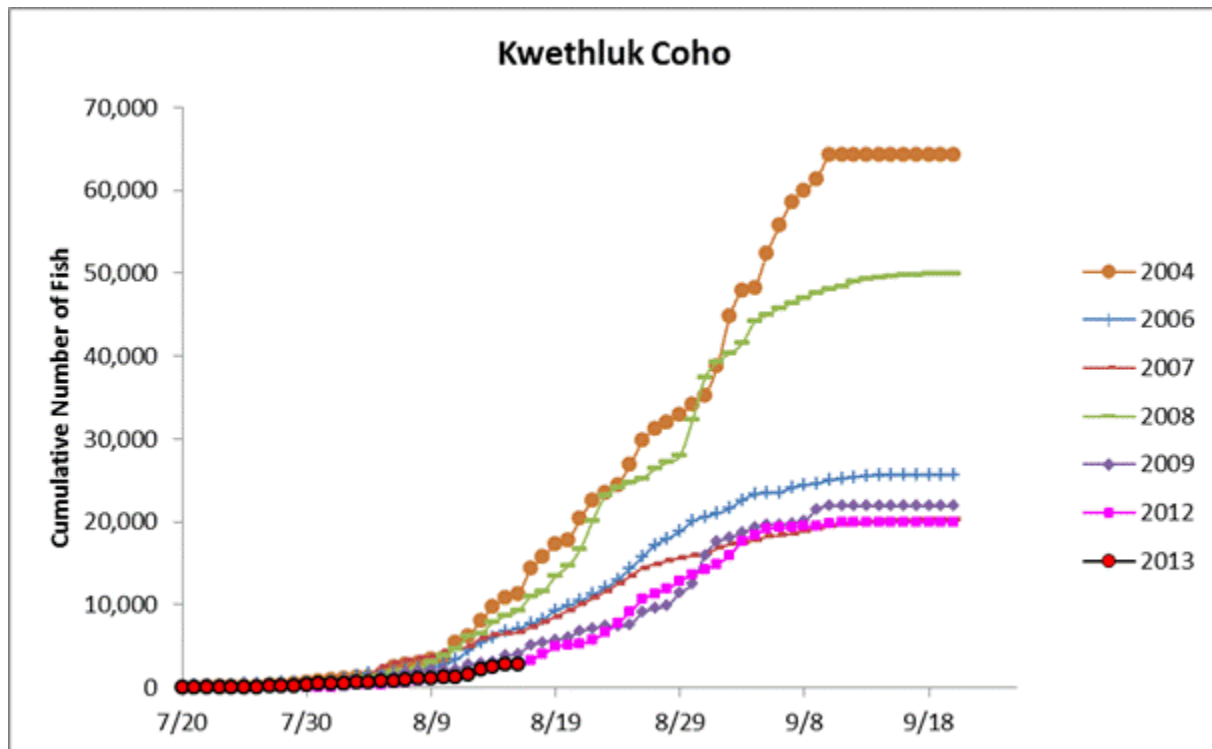


Coho Salmon

Kwethluk River weir historical cumulative daily passage of coho salmon

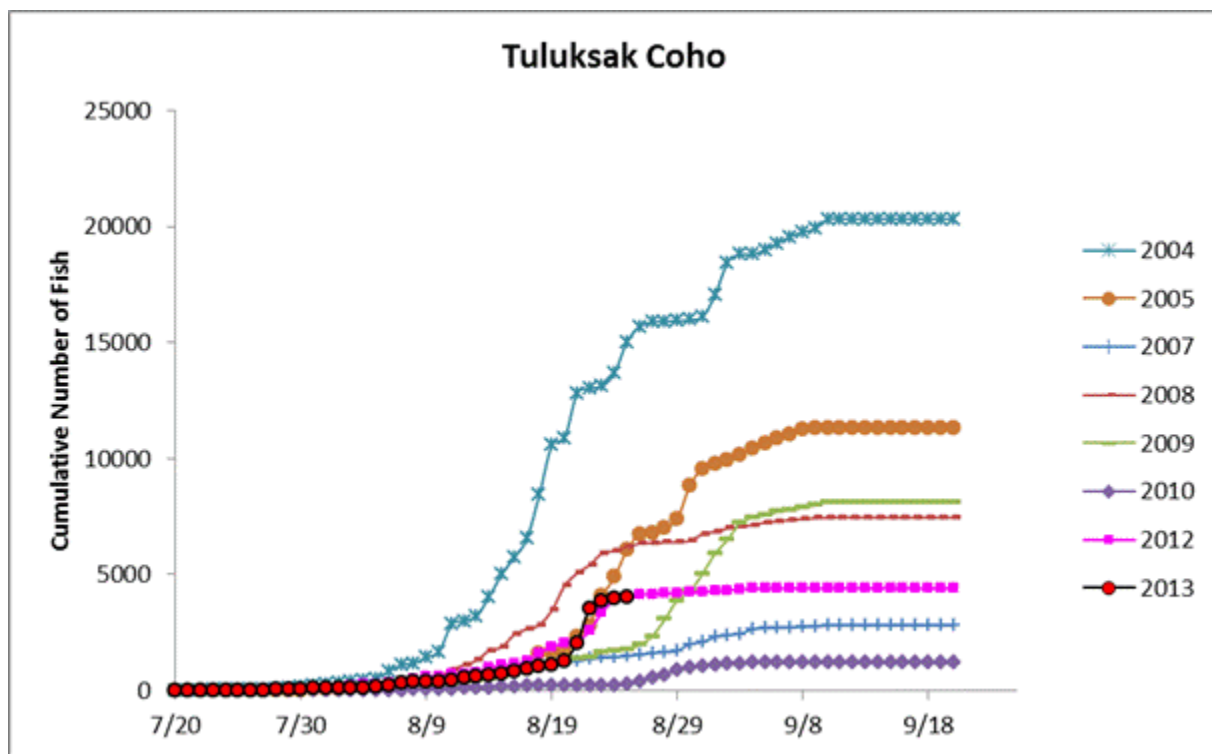
Escapement Goal $\geq 19,000$		= years when escapement goal was achieved or exceeded								
Cumulative Daily Passage										
Date	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/16	11,221		7,133	6,679	9,266	4,082			2,888	2,861
8/17	14,315		7,712	7,276	11,003	5,133			3,389	
8/18	15,758		8,266	7,870	11,544	5,462			4,038	
8/19	17,257		9,330	8,585	13,440	5,745			4,929	
8/20	17,776		9,870	9,293	14,657	6,071			5,149	
8/21	20,374		10,461	10,023	16,727	6,814			5,330	
8/22	22,642		11,228	10,765	20,173	7,136			5,679	
8/23	23,443		12,009	11,612	23,132	7,414			6,716	
8/24	24,484		13,017	12,514	24,075	7,437			7,727	
8/25	26,870		14,372	13,433	24,735	7,588			9,163	
Season Total	64,216	n.a.	25,664	20,256	49,972	21,911	n.a.	n.a.	19,960	

*August 16th was the last day of operations at Kwethluk for the 2013 field season and was a partial day of counts. August 9th was also a partial day due to submerged boat panels.



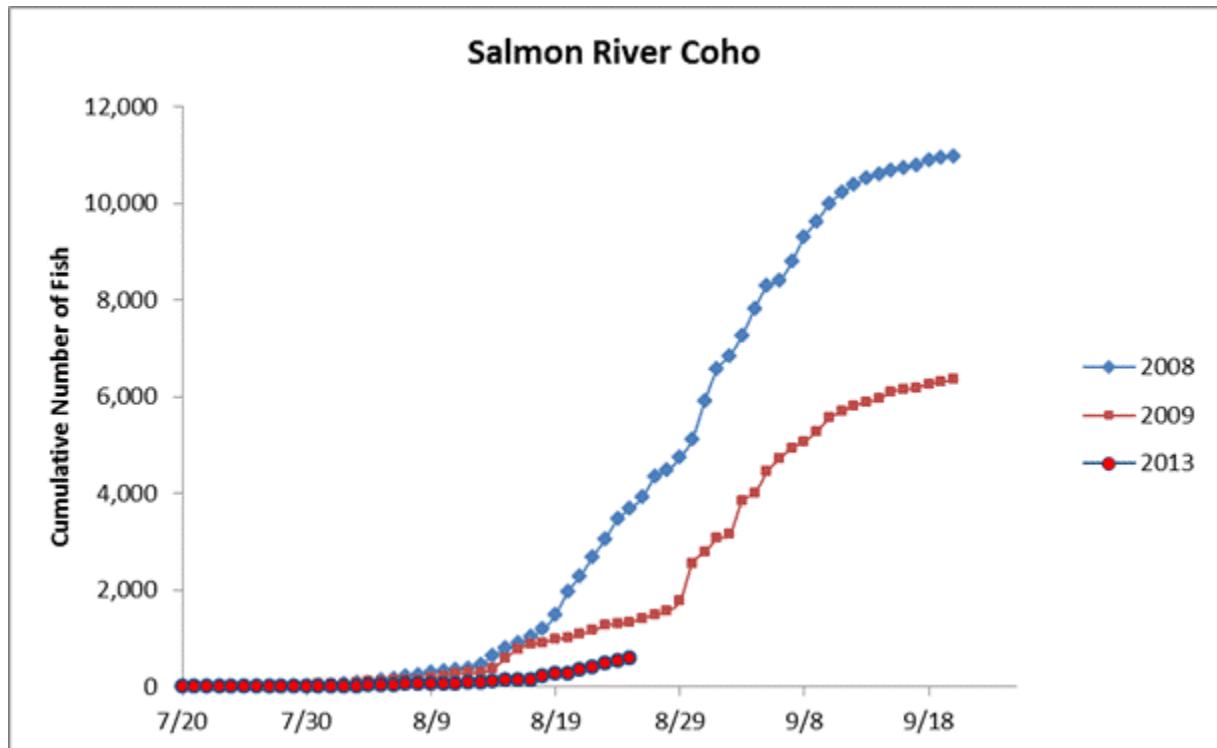
Tuluksak River weir historical cumulative daily passage of coho salmon

Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/19	10,589	1,667	1,470	1,142	3,466	1,086	203		1,900	1,134
8/20	10,855	1,687	1,543	1,216	4,510	1,232	203		2,033	1,299
8/21	12,813	2,321	1,833	1,267	5,058	1,369	203		2,119	2,059
8/22	13,040	2,824	2,124	1,364	5,413	1,415	203		2,577	3,534
8/23	13,114	4,075	2,349	1,415	5,921	1,647	213		3,381	3,873
8/24	13,707	4,915	2,510	1,437	6,021	1,695	232		3,919	3,964
8/25	15,036	6,081	2,908	1,496	6,205	1,767	299		4,056	4,028
Season Total	20,336	11,324	6,111	2,807	7,457	8,137	1,216	n.a.	4,407	



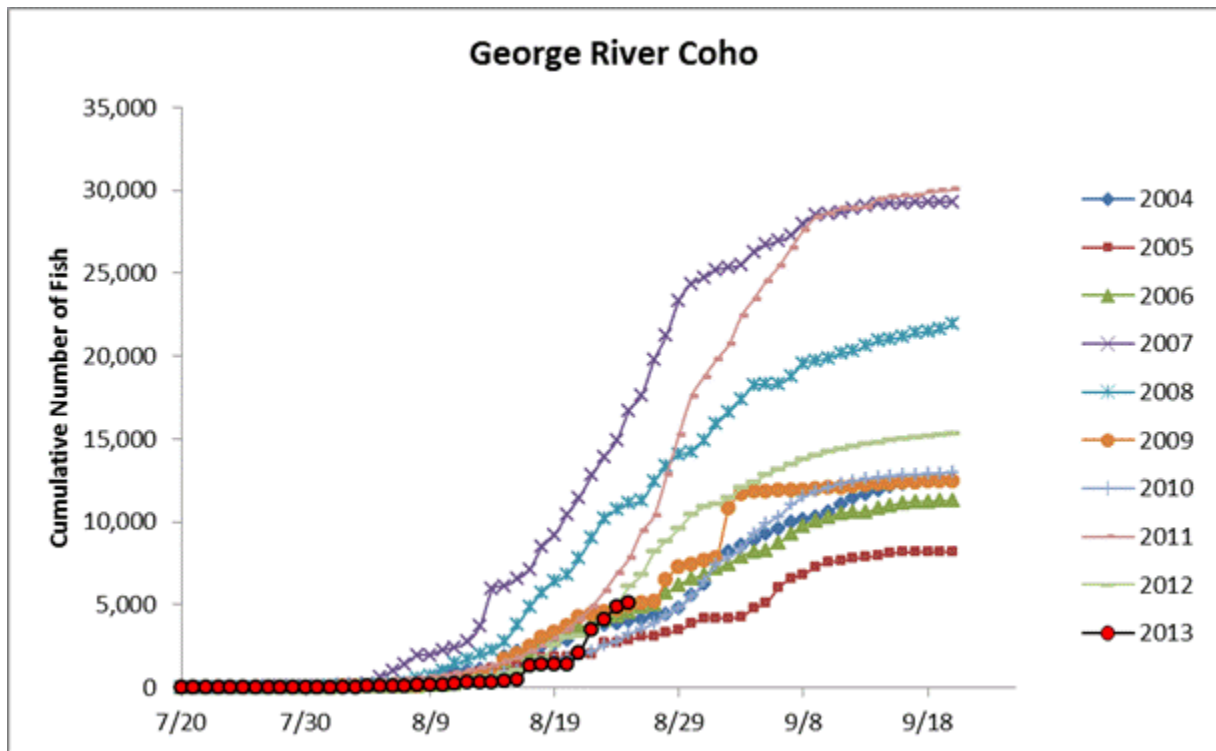
Salmon River weir historical cumulative daily passage of coho salmon

Cumulative Daily Passage						
Date	2006	2007	2008	2009	2012	2013
8/19			1,483	988		260
8/20			1,973	1,005		281
8/21			2,287	1,087		342
8/22			2,691	1,157		406
8/23			3,048	1,263		468
8/24			3,468	1,303		527
8/25			3,675	1,330		578
Season Total	n.a.	n.a.	11,022	6,391	n.a.	



George River weir historical cumulative daily passage of coho salmon

Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/19	2,599	1,855	3,155	9,196	6,385	3,343	1,600	2,966	2,552	1,389
8/20	2,898	1,880	3,404	10,437	6,792	3,729	1,791	3,501	3,054	1,396
8/21	3,387	1,956	3,648	11,472	7,821	4,253	1,945	4,138	3,125	2,123
8/22	3,555	1,983	3,887	12,803	9,022	4,376	2,186	4,895	3,306	3,515
8/23	3,756	2,691	4,121	13,921	10,194	4,600	2,565	5,796	4,031	4,106
8/24	3,903	2,737	4,350	14,911	10,724	4,749	2,802	6,868	5,018	4,877
8/25	4,052	2,892	4,574	16,713	11,107	4,933	3,257	7,800	6,089	5,130
Season Total	12,499	8,200	11,294	29,317	21,931	12,464	12,961	30,028	15,272	



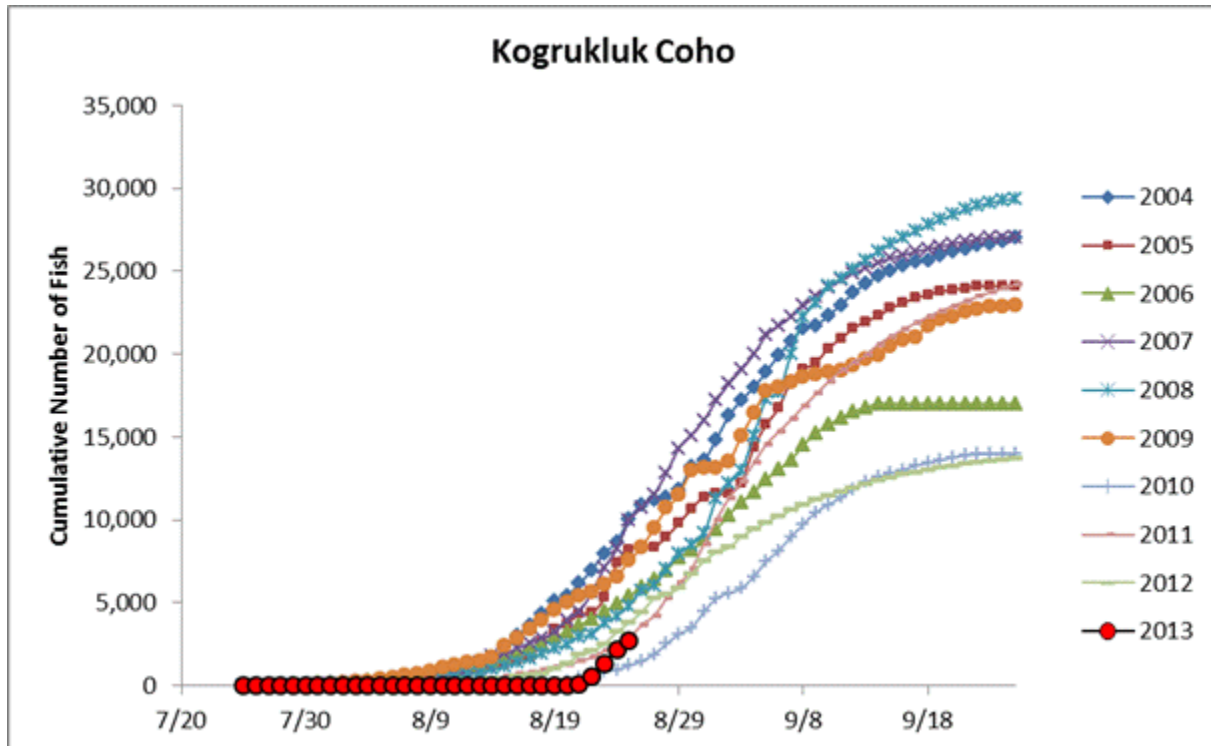
Kogrukluk River weir historical cumulative daily passage of coho salmon

Escapement Goal Range: 13,000 to 28,000

= years when escapement goal achieved or exceeded

Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/19	5,082	3,376	2,913	3,221	2,257	4,533	173	1,109	1,010	40
8/20	5,451	3,710	3,265	3,936	2,503	5,047	266	1,282	1,355	40
8/21	6,159	4,356	3,642	4,489	2,964	5,385	460	1,483	1,832	54
8/22	6,998	4,379	4,043	5,641	3,101	5,641	668	1,712	2,061	564
8/23	7,997	5,326	4,469	7,109	3,776	6,097	831	2,107	2,503	1,327
8/24	8,686	7,396	4,919	8,246	4,212	6,539	972	2,383	3,240	2,171
8/25	10,077	8,230	5,394	9,944	4,827	7,564	1,215	2,868	3,817	2,725
Season Total	27,042	24,115	17,011	27,034	29,661	22,981	13,970	24,174	13,697	

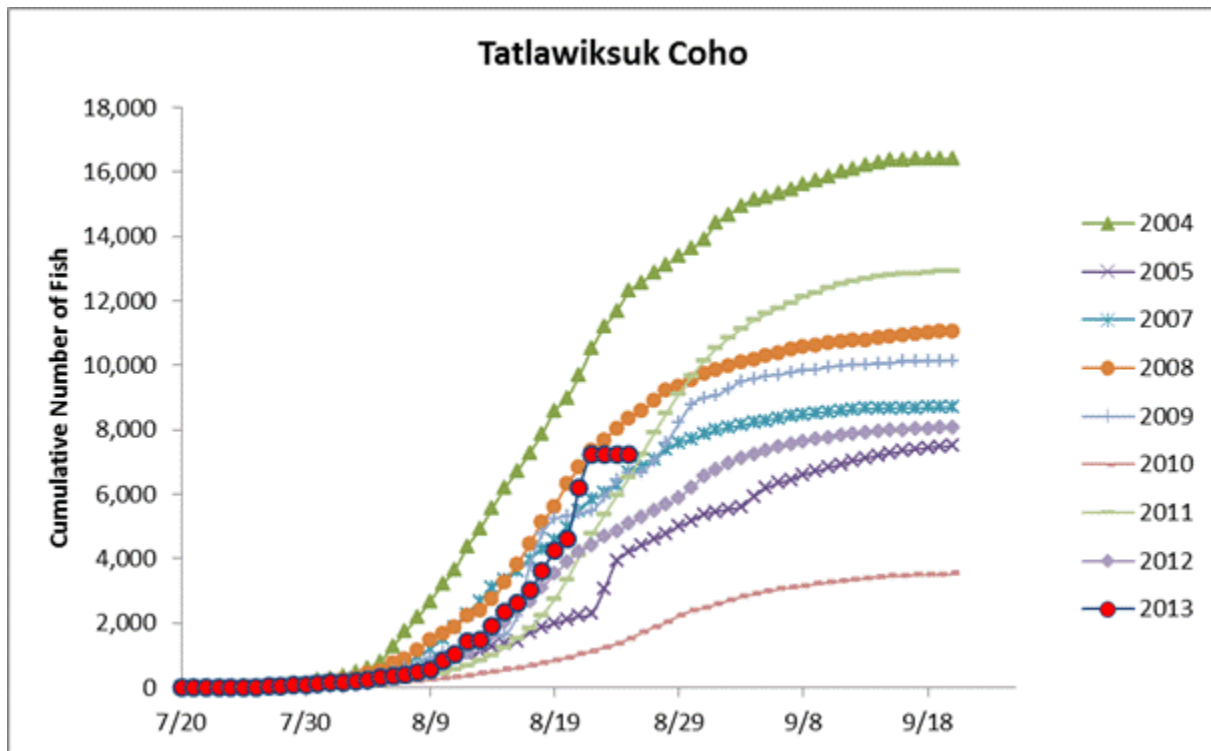
*Kogrukluk River weir was out of operation August 6th – 21st. No estimates have been made at this time. Based on average run timing, approximately 13% of the coho run was not counted.



Tatlawiksuk River weir historical cumulative daily passage of coho salmon

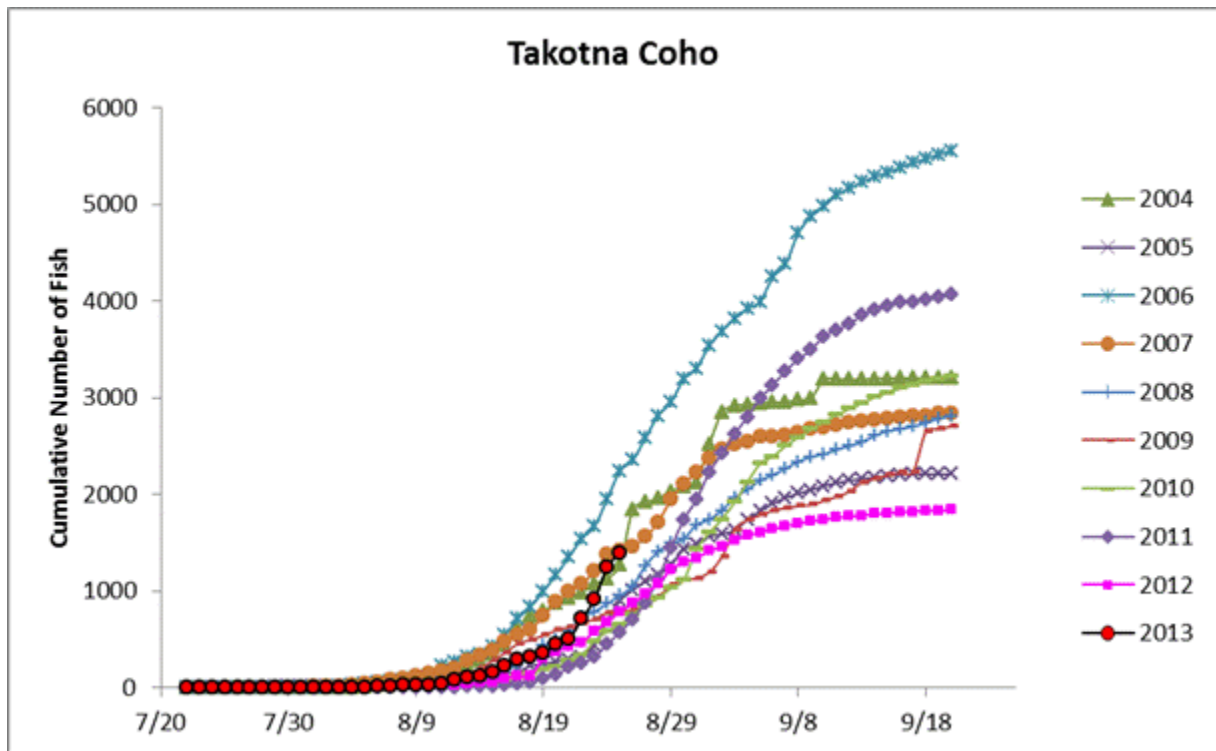
Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/19	8,586	1,986		4,566	5,621	5,231	844	2,745	3,523	4,267
8/20	8,981	2,104		4,990	6,318	5,308	934	3,349	3,899	4,614
8/21	9,689	2,215		5,490	6,820	5,410	1,030	4,079	4,223	6,210
8/22	10,514	2,295		5,833	7,335	5,486	1,133	4,755	4,429	7,251
8/23	11,193	3,052		6,034	7,684	5,911	1,252	5,350	4,683	7,251
8/24	11,666	3,933		6,292	8,037	6,421	1,352	5,959	4,842	7,251
8/25	12,304	4,210		6,669	8,340	6,665	1,526	6,528	5,082	7,251
Season Total	16,410	7,496	n.a.	8,686	11,065	10,148	3,521	12,927	8,070	

*Tatlawiksuk River weir has been out of operation since August 23rd due to high water. No estimates have been made for the 23rd – 25th at this time.



Takotna River weir historical cumulative daily passage of coho salmon

Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/19	796	247	998	747	434	539	188	93	303	357
8/20	870	272	1,168	883	492	593	220	134	366	446
8/21	927	298	1,350	998	587	625	275	207	427	502
8/22	988	325	1,543	1,071	734	670	335	251	469	711
8/23	1,076	436	1,668	1,206	786	708	484	320	582	914
8/24	1,133	694	1,951	1,373	870	775	579	450	675	1,241
8/25	1,270	898	2,241	1,420	952	794	652	575	783	1,397
Season Total	3,201	2,209	5,556	2,836	2,807	2,704	3,217	4,062	1,838	



Historical Catch Statistics

District 1 Commercial Openings for 2013

Date	Subdistrict	Permits	Hours	Chinook		Sockeye		Chum		Coho	
				Catch	CPUE	Catch	CPUE	Catch	CPUE	Catch	CPUE
7/16/2013	1-B	189	6 ^b	133 ^a	0.12	373	0.33	24,823	21.89	1,894	1.67
7/19/2013	1-B	221	4 ^b	6 ^a	0.01	78	0.09	15,413	17.44	2,097	2.37
7/23/2013	1-B	218	4 ^b	12 ^a	0.01	47	0.05	5,771	6.62	2,960	3.39
7/26/2013	1-B	171	4 ^b	1 ^a	0.00	45	0.07	3,121	4.56	5,785	8.46
7/30/2013	1-B	137	4 ^b	3 ^a	0.01	35	0.06	1,712	3.12	8,968	16.36
8/6/2013	1-B	273	4 ^b	2 ^a	0.00	20	0.02	706	0.65	23,195	21.24
8/10/2013	1-B	297	6	4 ^a	0.00	168	0.09	474	0.27	30,972	17.38
8/13/2013	1-B	247	4 ^b	1	0.00	2	0.00	79	0.08	8,077	8.18
8/17/2013	1-B	226	4 ^b	0	0.00	0	0.00	49	0.05	12,924	14.30
8/20/2013	1-B	235	6	1	0.00	0	0.00	67	0.05	11,633	8.25
8/23/2013	1-B	186	6	0	0.00	0	0.00	16	0.01	5,454	4.89
Total			52	163		768		52,231		113,959	

Footnotes

^a All Chinook harvested during the commercial opening were not sold but kept as personal use.

^b Does not include 2-hour extension in Lower Section of 1-B.

^c In-season data is preliminary, subject to change.

