

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 7, 2013**

Time: **10:00 am**

Place: **Bethel**

Time Called to Order

Chair

Time Adjourned

ROLL CALL TO ESTABLISH QUORUM:

QUORUM MET? Yes / No

Upriver Elder:

Downriver Elder:

Commercial Fisher:

Lower River Subsistence:

Middle River Subsistence:

Upper River Subsistence:

Headwaters Subsistence:

Processor:

Member at Large:

Sport Fisher:

Western Interior RAC:

Y-K Delta RAC:

ADF&G:

INTRODUCTIONS:

INVOCATION:

APPROVAL OF AGENDA:

APPROVAL OF MINUTES:

PEOPLE TO BE HEARD:

CONTINUING BUSINESS:

1. Subsistence Reports:
 - a. Lowest River
 - b. Lower River
 - c. Middle River
 - d. KNA Inseason Subsistence
 - e. Upper River
 - f. Headwaters
2. Overview of Kuskokwim River salmon run assessment projects:
 - a. Bethel Test Fish:
 - b. Weirs/Aerial Surveys/Other:
3. Commercial Catch Report:
4. Processor Report:
5. Sport Fish Report:
6. Intercept Fishery Report: *optional*
7. Weather Forecast:
8. Recommendation:
9. Motion for Discussion and Action Motion for Discussion and Action

OLD BUSINESS:

NEW BUSINESS:

1. Elections: John W. Andrew for Downriver Elder Alternate

COMMENTS FROM WORKING GROUP MEMBERS:

NEXT MEETING DATE: _____ **Time:** _____ **Place:** _____

Kuskokwim River Salmon Management Working Group

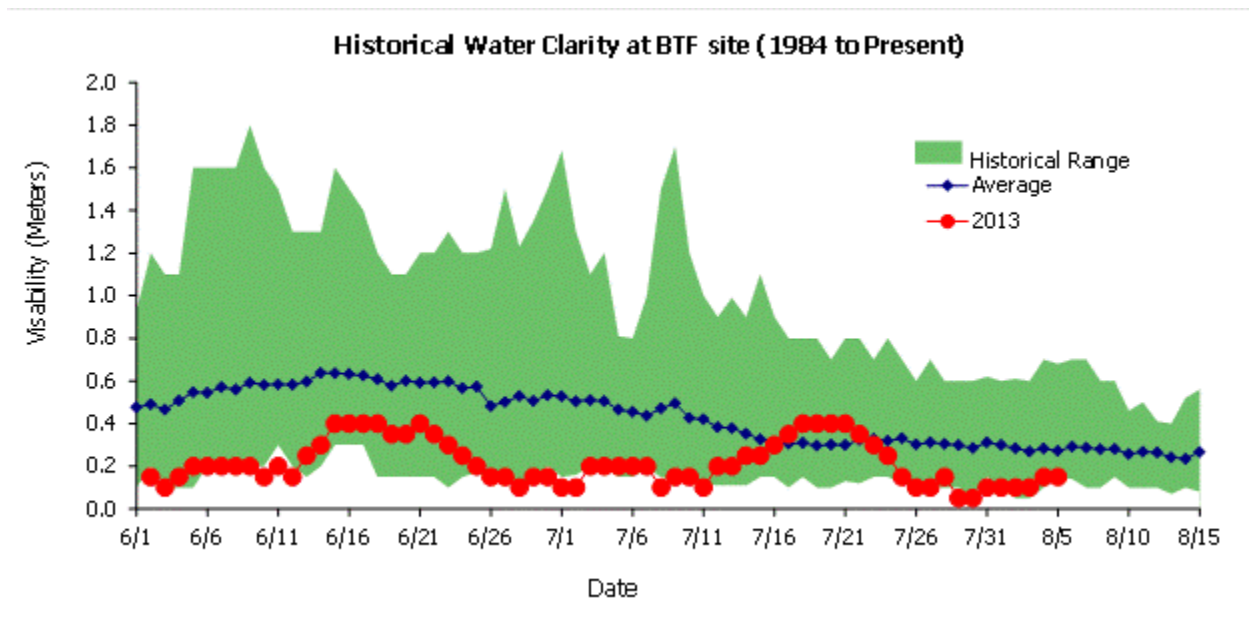
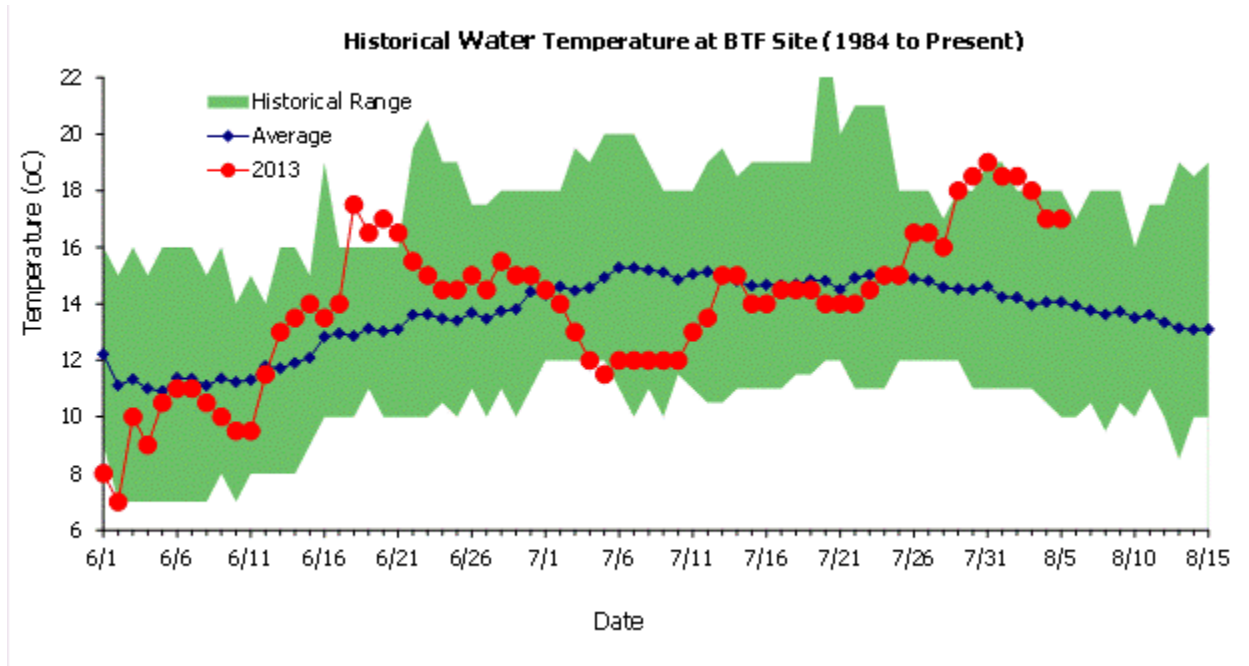
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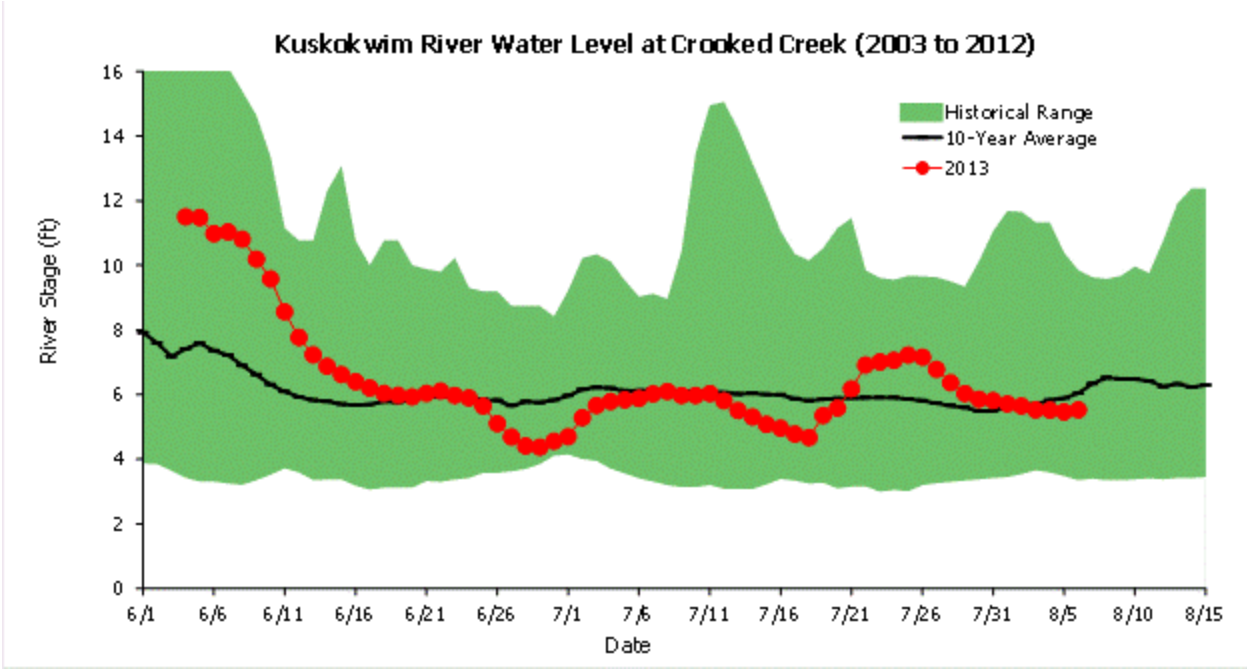
ADF&G Bethel toll free: 1 (855) 933-2433

Information Packet

August 7, 2013

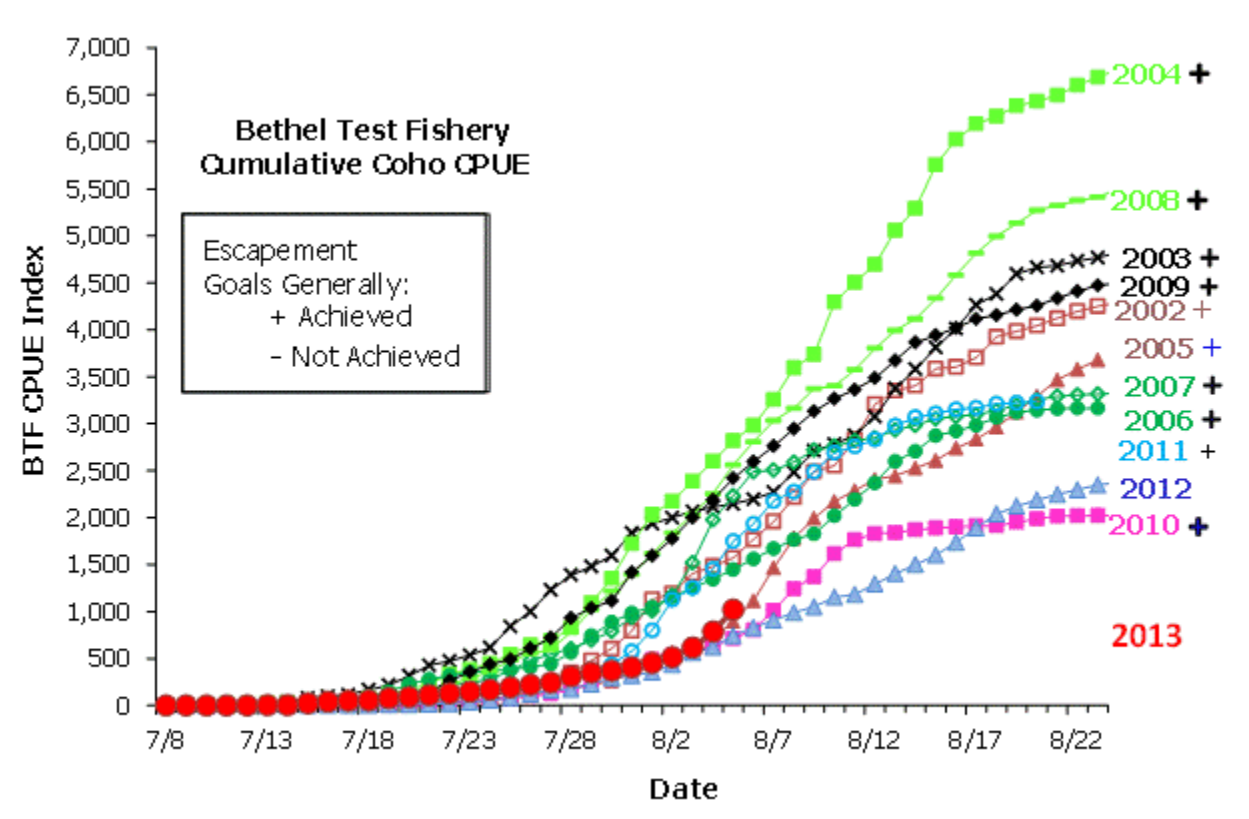
OVERVIEW OF KUSKOKWIM RIVER SALMON RUN ASSSSMENT PROJECTS





Coho Salmon Cumulative CPUE Index, Bethel Test Fishery

Bethel Test Fishery Coho Salmon Cumulative CPUE Index												
	2002 +	2003 +	2004 +	2005 +	2006 +	2007 +	2008 +	2009 +	2010 +	2011 +	2012	2013
7/29	478	1,479	1,093	219	742	697	1,020	1,037	229	378	229	350
7/30	605	1,596	1,354	262	885	790	1,216	1,112	374	437	296	371
7/31	794	1,838	1,720	344	985	936	1,393	1,418	421	578	317	408
8/1	1,129	1,936	2,034	486	1,047	1,008	1,616	1,593	488	802	355	455
8/2	1,192	2,001	2,173	561	1,158	1,171	1,837	1,777	531	1,126	434	515
8/3	1,405	2,067	2,389	622	1,250	1,519	2,030	2,000	580	1,252	561	617
8/4	1,483	2,112	2,599	715	1,344	1,975	2,253	2,190	634	1,454	622	785
8/5	1,572	2,147	2,819	892	1,447	2,234	2,560	2,418	713	1,749	745	1,019
8/6	1,768	2,197	2,982	1,112	1,560	2,491	2,806	2,595	804	1,932	830	
8/7	1,959	2,272	3,255	1,466	1,668	2,506	3,032	2,762	1,011	2,177	907	
8/8	2,215	2,483	3,594	1,783	1,767	2,590	3,163	2,946	1,242	2,276	988	
8/9	2,489	2,711	3,740	1,994	1,827	2,719	3,373	3,132	1,371	2,489	1,051	
8/10	2,553	2,782	4,294	2,174	2,019	2,762	3,402	3,266	1,616	2,691	1,153	
8/11	2,831	2,877	4,505	2,286	2,193	2,821	3,573	3,363	1,762	2,758	1,181	
8/12	3,207	3,074	4,694	2,406	2,369	2,850	3,801	3,485	1,831	2,832	1,292	
8/13	3,351	3,375	5,057	2,444	2,601	2,931	3,990	3,672	1,840	2,979	1,403	
8/14	3,403	3,581	5,290	2,529	2,707	2,983	4,115	3,865	1,871	3,069	1,500	
8/15	3,585	3,810	5,758	2,610	2,874	3,053	4,334	3,940	1,889	3,109	1,601	
8/16	3,605	4,012	6,026	2,737	2,921	3,077	4,582	4,019	1,901	3,153	1,737	
8/17	3,705	4,266	6,193	2,837	2,984	3,096	4,815	4,115	1,913	3,168	1,890	



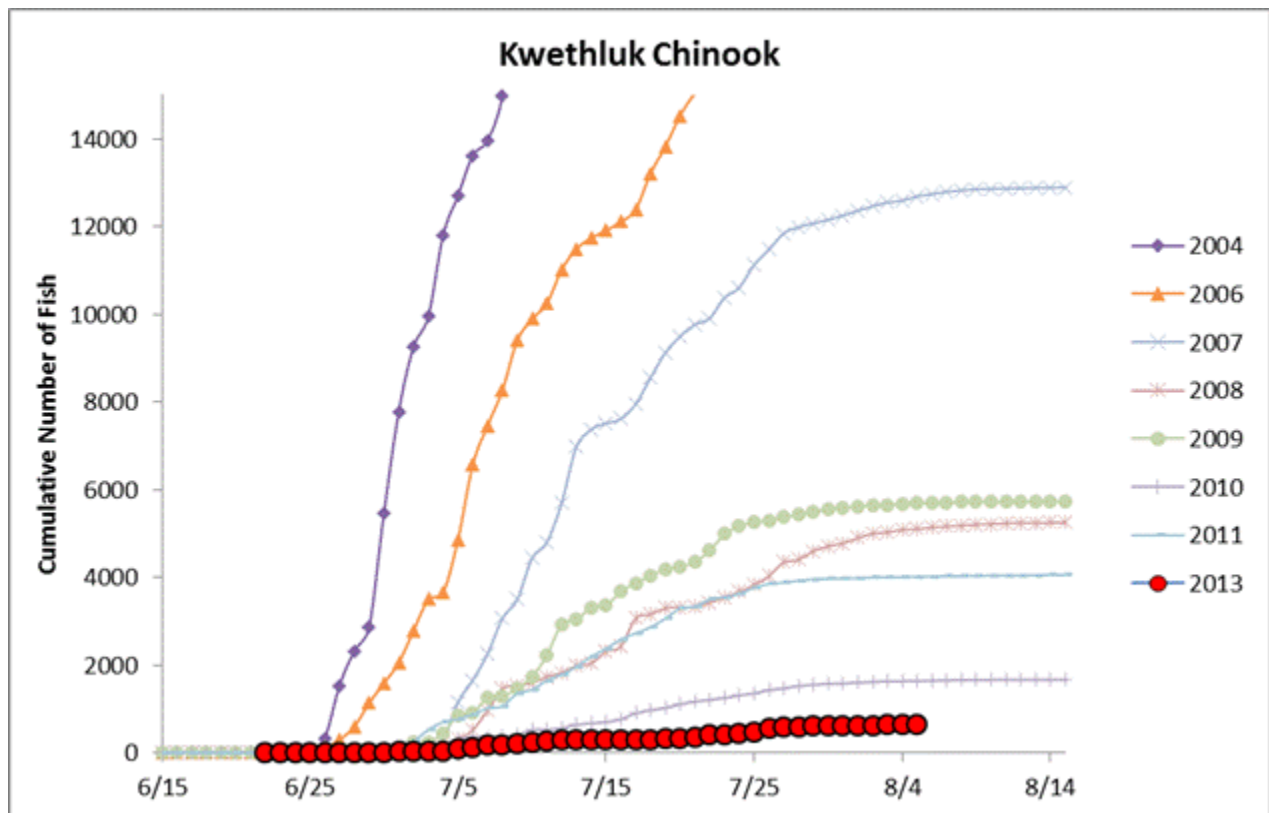
ESCAPEMENT MONITORING

Note: Years with n.a. as season total are considered incomplete. The weir operated but total escapement was not determined.

Note: Cumulative passage in *Italic* contains a single day estimate for that day.

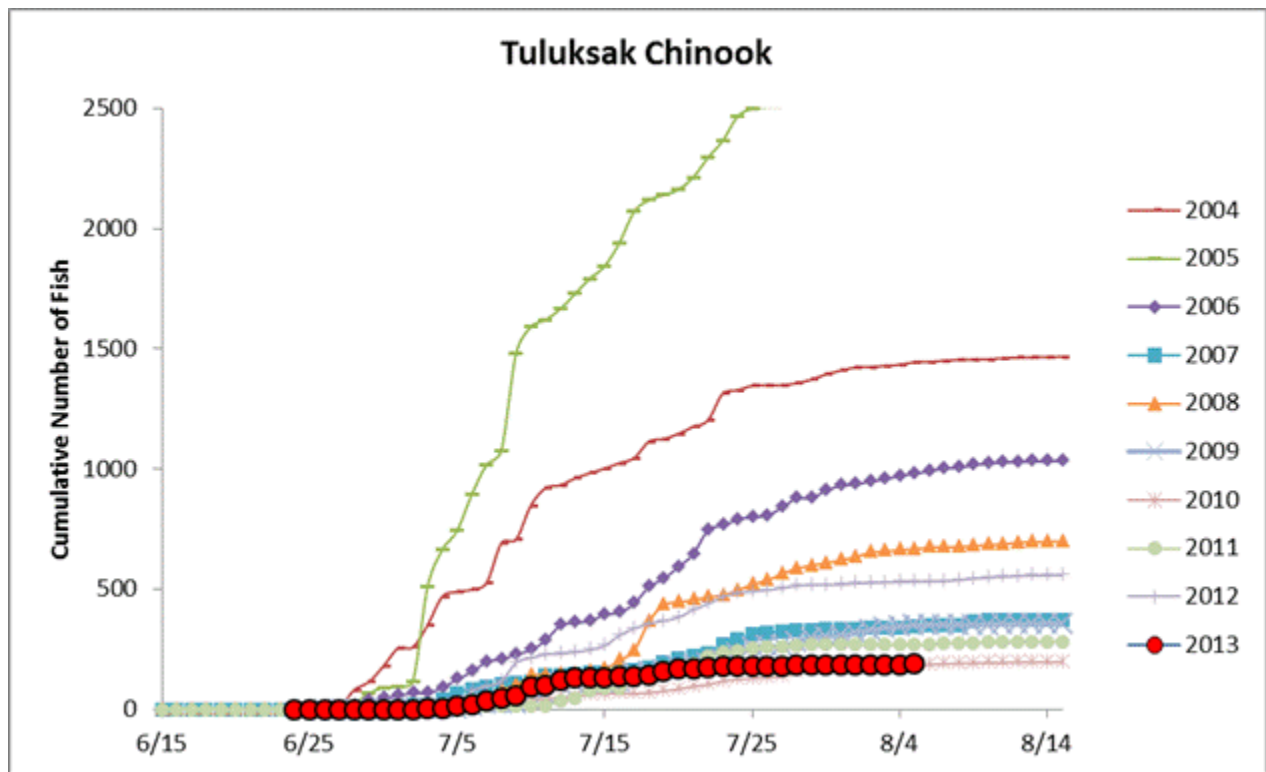
Chinook Salmon

Kwethluk River weir historical cumulative daily passage of Chinook salmon										
Escapement Goal Range: 4,100 to 7,500					= years when escapement goal achieved or exceeded					
Cumulative Daily Passage										
Date	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	27,971		17,241	12,549	5,027	5,653	<i>1,630</i>	4,000		635
8/4	28,036		17,337	12,591	5,084	5,671	1,633	4,004		636
8/5	28,101		17,363	12,688	5,099	5,688	1,636	4,009		639
8/6	28,197		17,380	12,739	5,138	5,694	1,643	4,018		
8/7	28,269		17,408	12,789	5,161	5,708	1,652	4,021		
8/8	28,300		17,418	12,828	5,179	5,712	1,658	4,024		
8/9	28,312		17,446	12,849	5,199	5,713	1,660	<i>4,030</i>		
Season Total	28,605	n.a.	17,619	12,927	5,276	5,744	1,668	4,079	n.a.	



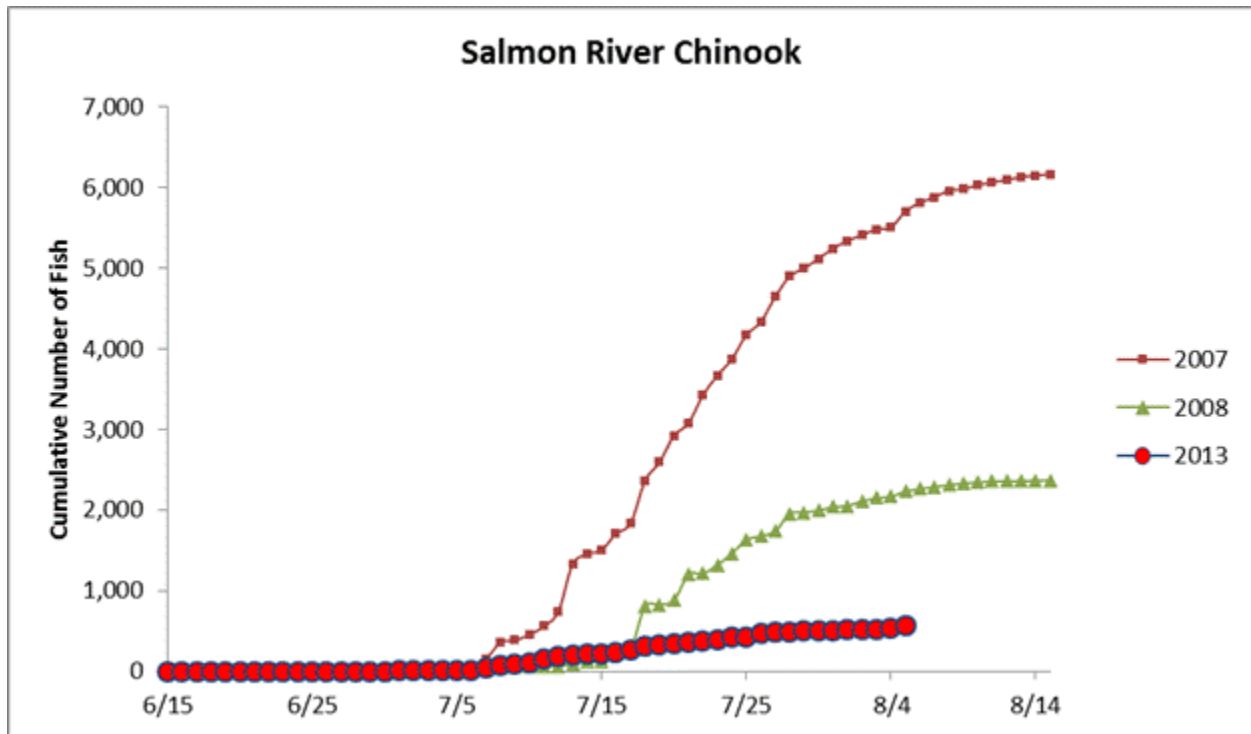
Chinook Salmon (continued)

Tuluksak River weir historical cumulative daily passage of Chinook salmon										
Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	1,430	2,583	957	340	658	340	185	269	528	187
8/4	1,434	2,584	971	340	663	344	185	269	530	187
8/5	1,445	2,594	980	344	666	350	186	269	531	190
8/6	1,446	2,599	991	349	674	351	186	269	532	
8/7	1,451	2,603	1,002	350	675	351	190	275	533	
8/8	1,455	2,606	1,005	351	676	351	191	277	538	
8/9	1,455	2,614	1,016	367	680	351	192	278	544	
Season Total	1,475	2,653	1,043	374	701	362	201	284	560	



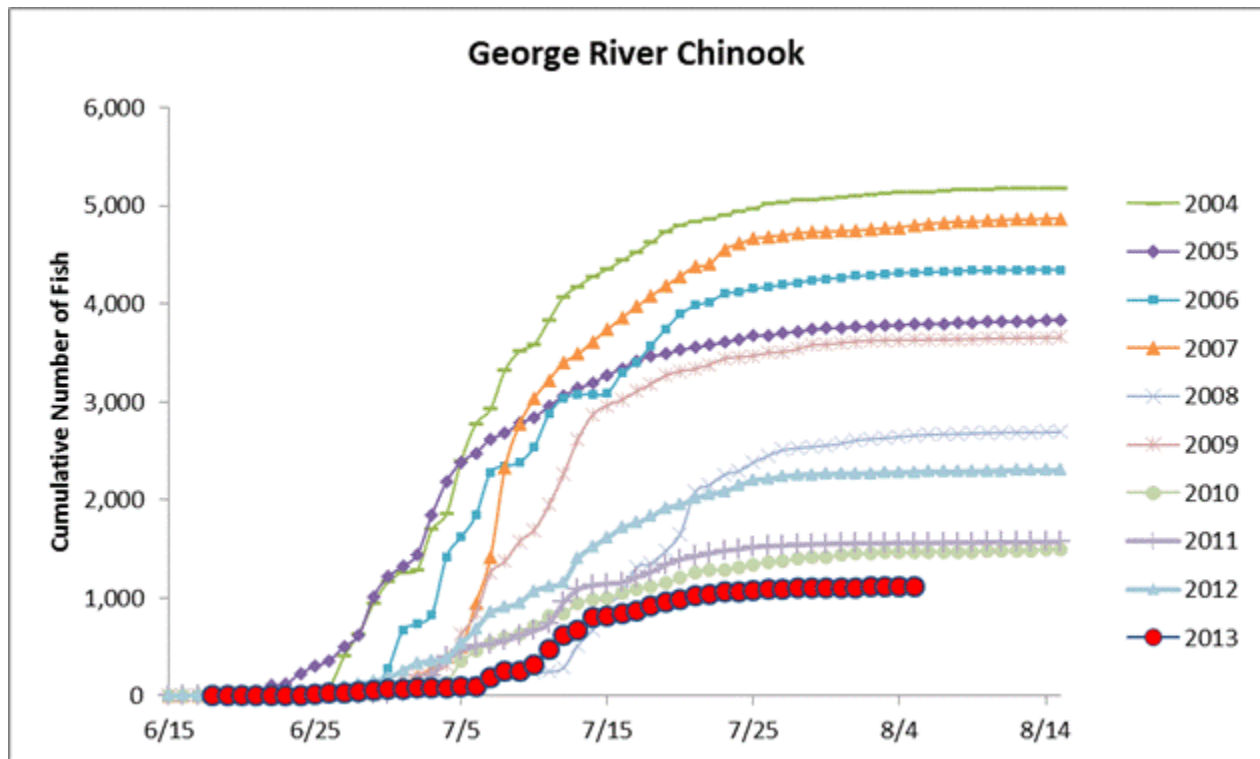
Chinook Salmon (continued)

Salmon River weir historical cumulative daily passage of Chinook salmon						
Cumulative Daily Passage						
Date	2006	2007	2008	2009	2012	2013
8/3		5,479	2,147			524
8/4		5,505	2,166			539
8/5		5,700	2,229			565
8/6		5,810	2,260			
8/7		5,876	2,285			
8/8		5,959	2,309			
8/9		5,978	2,329			
Season Total	n.a.	6,220	2,376	n.a.	n.a.	



Chinook Salmon (continued)

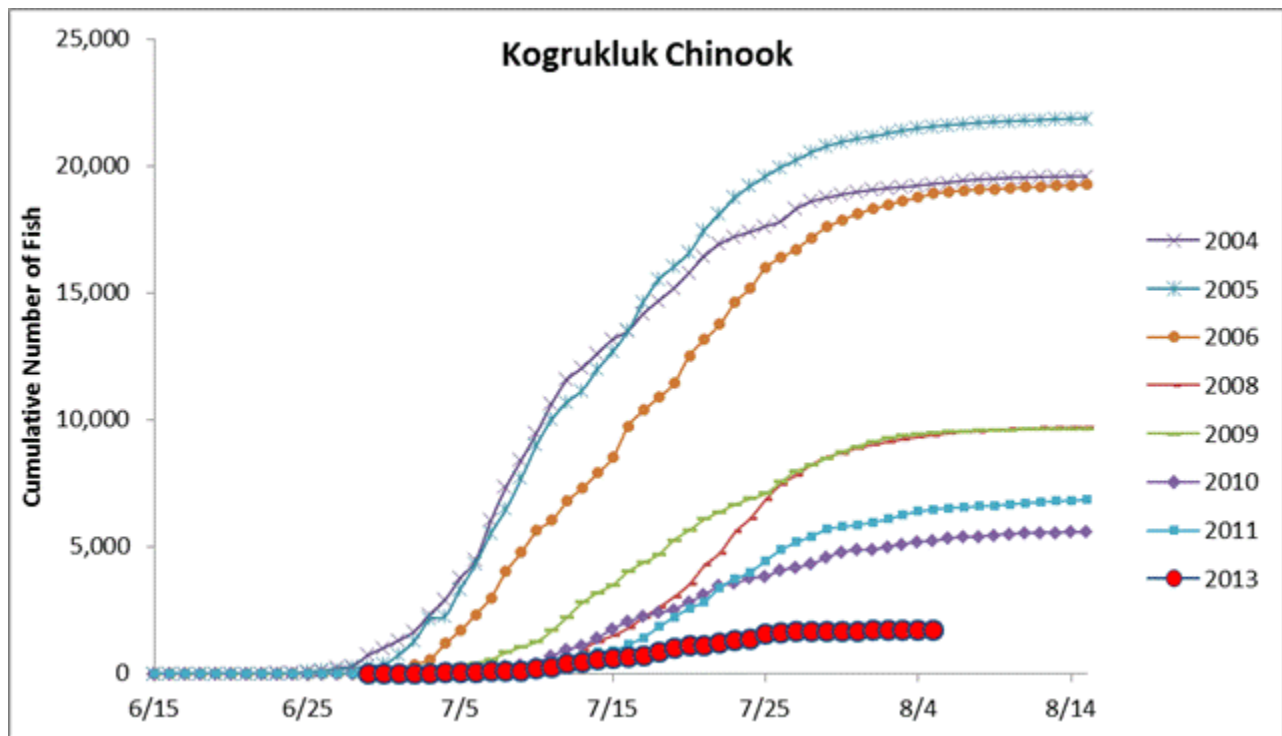
George River weir historical cumulative daily passage of Chinook salmon										
Escapement Goal Range: 1,800 to 3,300					= years when escapement goal achieved or exceeded					
Cumulative Daily Passage										
Date	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	5,128	3,776	4,302	4,770	2,628	3,627	1,464	1,559	2,273	1,112
8/4	5,136	3,783	4,314	4,778	2,642	3,629	1,464	1,560	2,277	1,112
8/5	5,141	3,790	4,320	4,803	2,657	3,630	1,465	1,560	2,281	1,112
8/6	5,143	3,792	4,322	4,817	2,664	3,634	1,466	1,562	2,286	
8/7	5,153	3,797	4,329	4,828	2,668	3,634	1,471	1,563	2,286	
8/8	5,160	3,807	4,333	4,836	2,671	3,639	1,472	1,564	2,287	
8/9	5,161	3,807	4,337	4,836	2,678	3,639	1,474	1,565	2,289	
Season Total	5,206	3,845	4,355	4,883	2,698	3,663	1,500	1,571	2,302	



Chinook Salmon (continued)

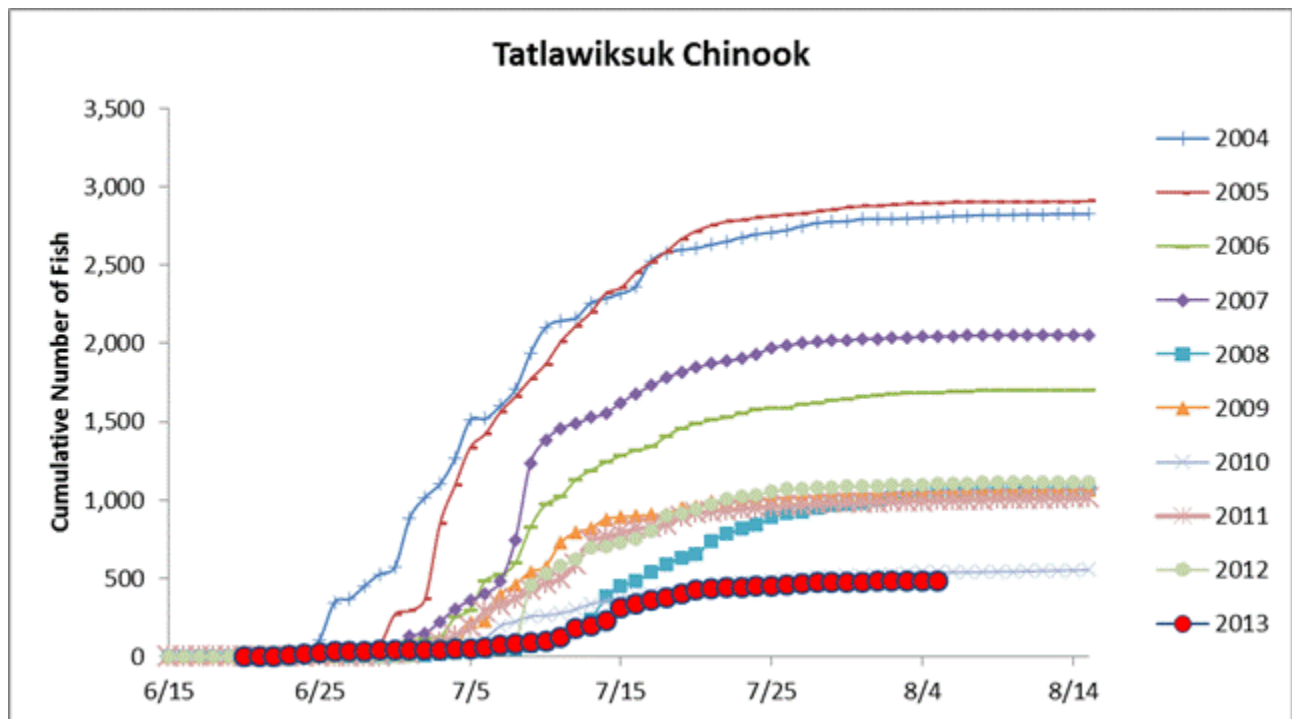
Kogrukluk River weir historical cumulative daily passage of Chinook salmon										
Escapement Goal Range: 4,800 to 8,800					= years when escapement goal achieved or exceeded					
Cumulative Daily Passage										
Date	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	19,166	21,392	18,624		9,227	9,351	5,097	6,256		1,692
8/4	19,226	21,490	18,751		9,309	9,404	5,188	6,374		1,694
8/5	19,296	21,554	18,912		9,397	9,471	5,222	6,462		1,696
8/6	19,344	21,611	18,975		9,461	9,512	5,325	6,519		
8/7	19,421	21,656	19,037		9,519	9,534	5,374	6,545		
8/8	19,469	21,707	19,075		9,548	9,555	5,393	6,573		
8/9	19,492	21,737	19,092		9,584	9,578	5,458	6,618		
Season Total	19,651	21,999	19,414	n.a.	9,730	9,701	5,693	6,890	n.a.	

*Partial day on 8/4. Reset a bipod. Weir was open for 1 – 2 hours.



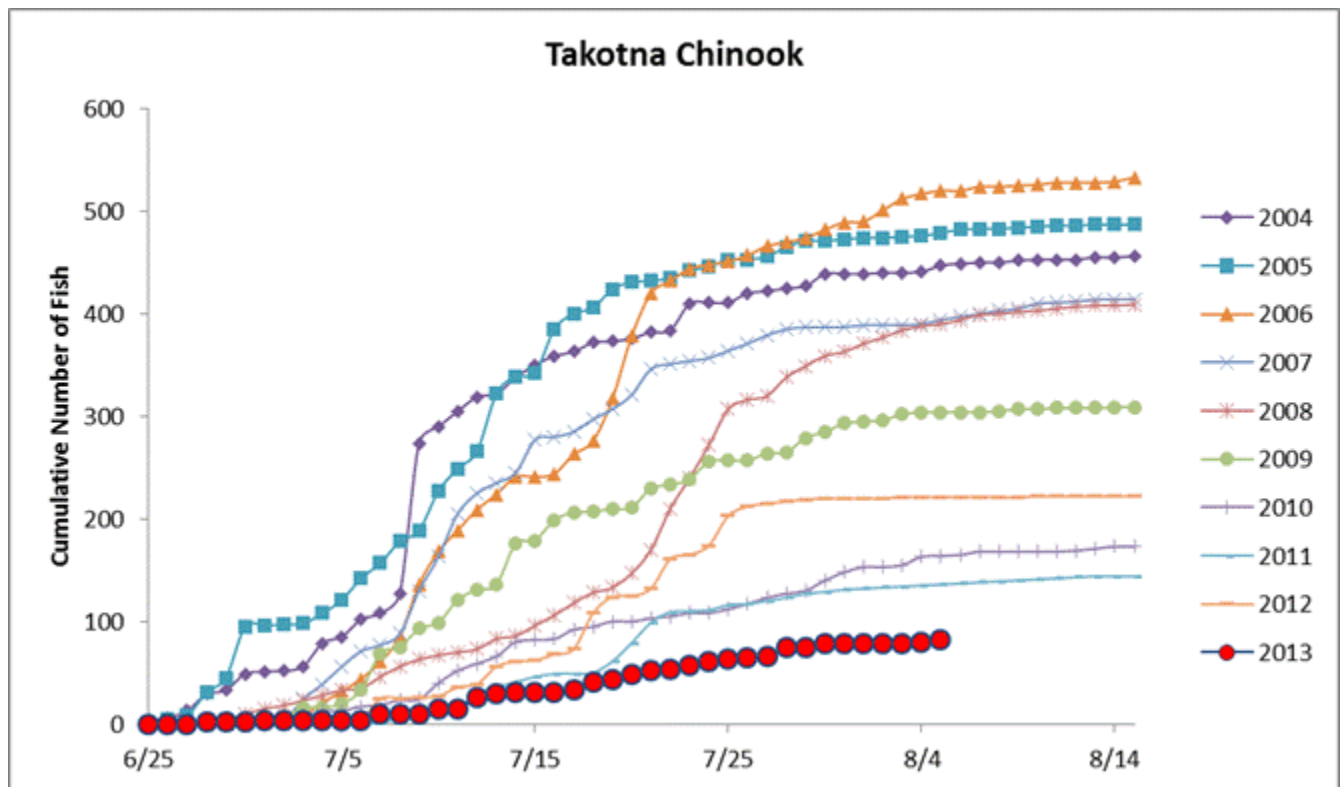
Chinook Salmon (continued)

Tatlawiksuk River weir historical cumulative daily passage of Chinook salmon										
Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	2,798	2,891	1,681	2,038	1,021	1,047	533	990	1,097	481
8/4	2,802	2,891	1,684	2,042	1,037	1,049	537	993	1,099	481
8/5	2,808	2,898	1,686	2,044	1,046	1,051	537	996	1,101	481
8/6	2,813	2,900	1,692	2,047	1,059	1,055	539	998	1,104	
8/7	2,816	2,903	1,696	2,049	1,061	1,057	540	1,000	1,105	
8/8	2,820	2,905	1,698	2,051	1,064	1,058	541	1,002	1,110	
8/9	2,820	2,905	1,699	2,053	1,066	1,061	543	1,004	1,110	
Season Total	2,833	2,918	1,700	2,061	1,071	1,071	569	1,014	1,116	



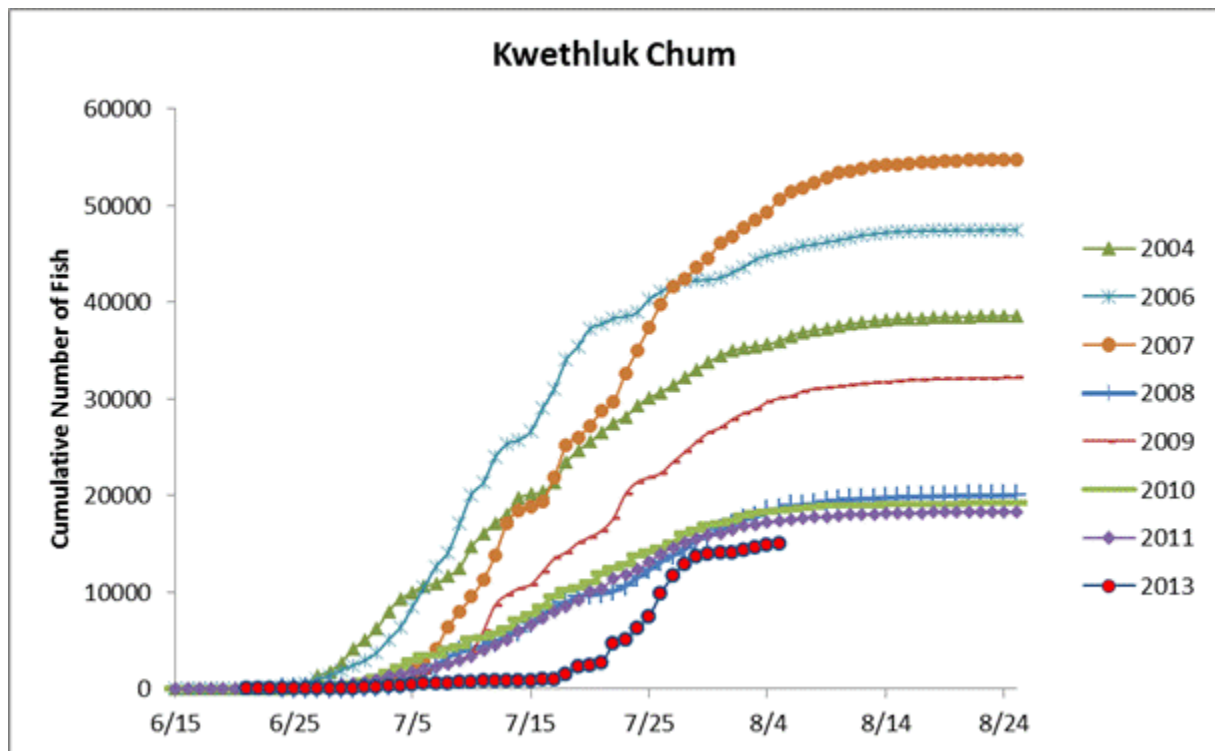
Chinook Salmon (continued)

Takotna River weir historical cumulative daily passage of Chinook salmon										
Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	440	475	512	389	384	302	155	134	221	78
8/4	441	476	517	390	388	304	163	135	221	80
8/5	447	479	520	394	390	304	164	136	221	82
8/6	449	482	520	397	394	304	165	137	221	
8/7	450	483	524	400	399	304	168	138	221	
8/8	450	483	524	403	400	305	168	139	221	
8/9	452	484	525	405	402	307	168	140	221	
Season Total	461	499	541	418	413	311	178	148	228	



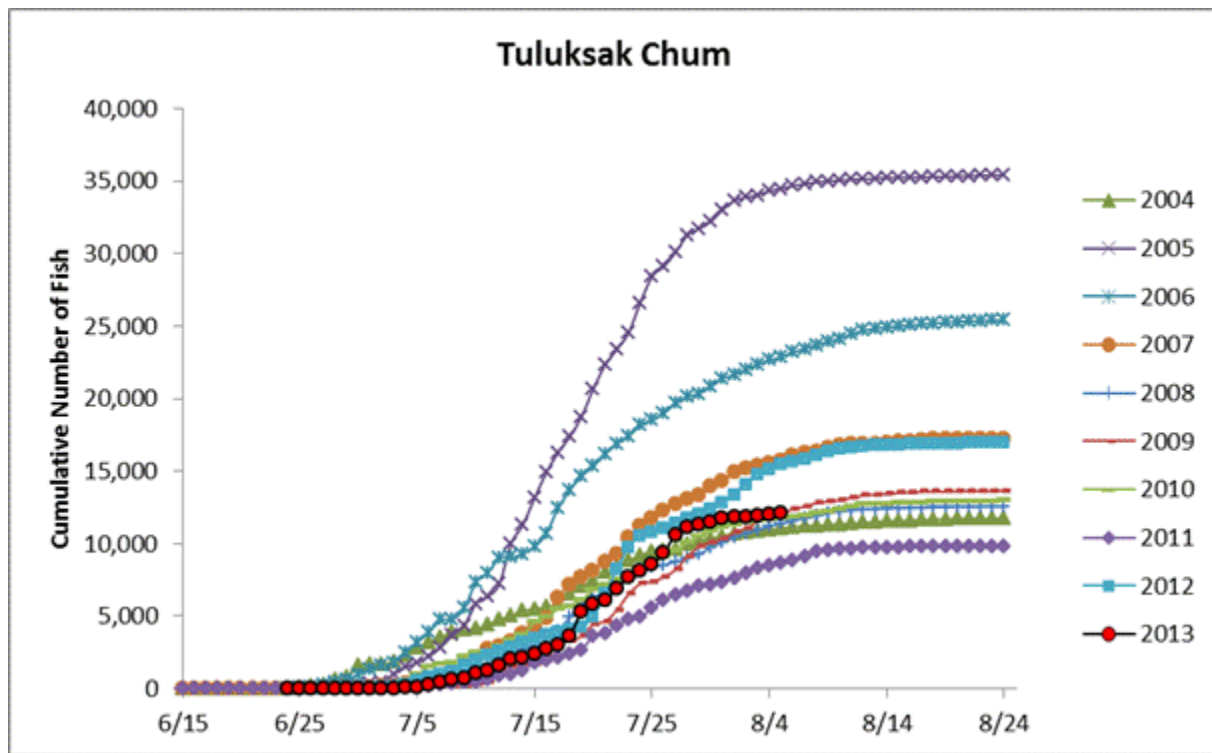
Chum Salmon

Kwethluk River weir historical cumulative daily passage of chum salmon									
Date	Cumulative Daily Passage								
	2004	2005	2006	2007	2008	2009	2010	2011	2013
8/3	35,395		44,361	48,471	17,730	28,890	18,133	16,965	14,525
8/4	35,582		44,812	49,247	18,415	29,643	18,283	17,202	14,827
8/5	35,948		45,104	50,630	18,588	30,015	18,393	17,298	15,039
8/6	36,479		45,409	51,367	18,889	30,268	18,495	17,452	
8/7	36,880		45,787	51,831	18,993	30,755	18,722	17,581	
8/8	37,045		45,927	52,349	19,124	31,012	18,840	17,706	
8/9	37,270		46,170	52,841	19,338	31,102	18,907	17,819	
Season Total	38,646	n.a.	47,491	54,913	20,030	32,191	19,235	18,329	n.a.



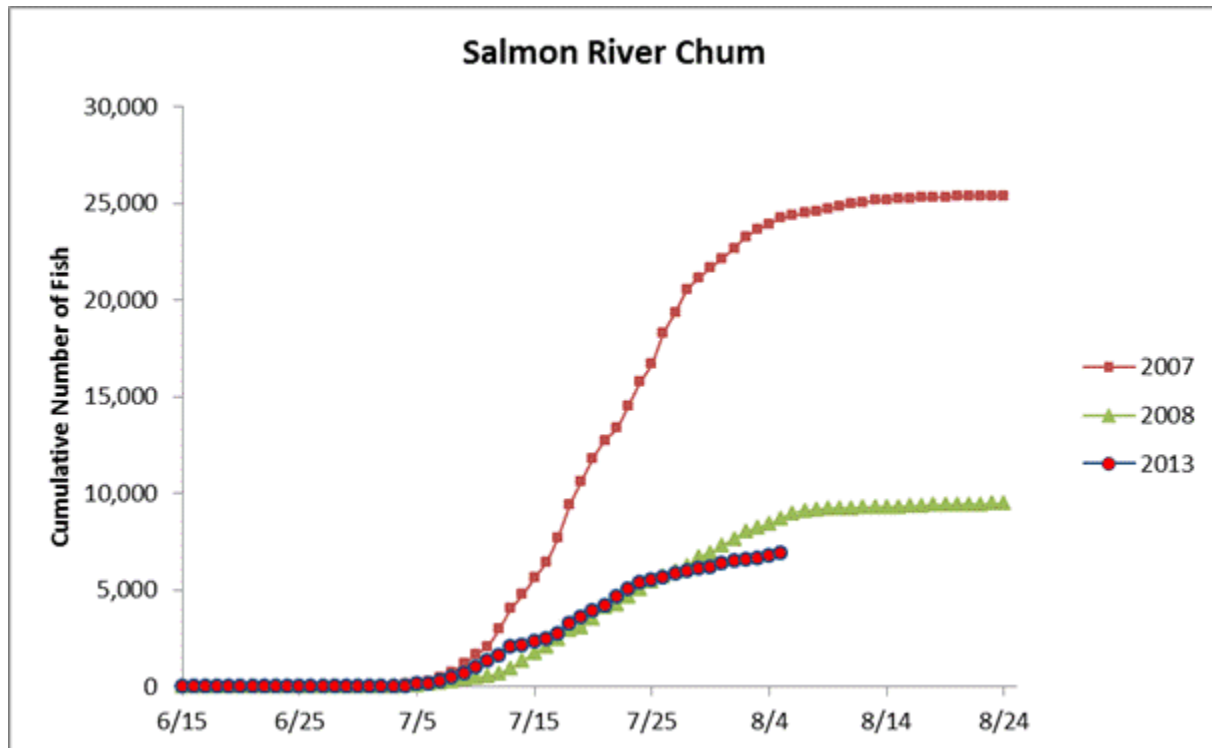
Chum Salmon (continued)

Tuluksak River weir historical cumulative daily passage of chum salmon										
Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	10,897	34,032	22,370	15,406	10,926	11,539	11,562	8,339	14,740	11,930
8/4	10,978	34,305	22,658	15,588	11,207	11,919	11,678	8,510	15,118	12,031
8/5	11,042	34,480	22,849	15,729	11,393	12,133	11,784	8,647	15,423	12,112
8/6	11,158	34,660	23,192	16,059	11,576	12,339	11,809	8,859	15,657	
8/7	11,215	34,807	23,447	16,233	11,761	12,577	11,913	9,063	15,850	
8/8	11,249	34,923	23,702	16,384	11,897	12,788	12,061	9,452	16,085	
8/9	11,312	34,999	23,925	16,514	12,102	12,888	12,209	9,553	16,300	
Season Total	11,796	35,696	25,652	17,286	12,550	13,671	13,042	9,828	16,981	



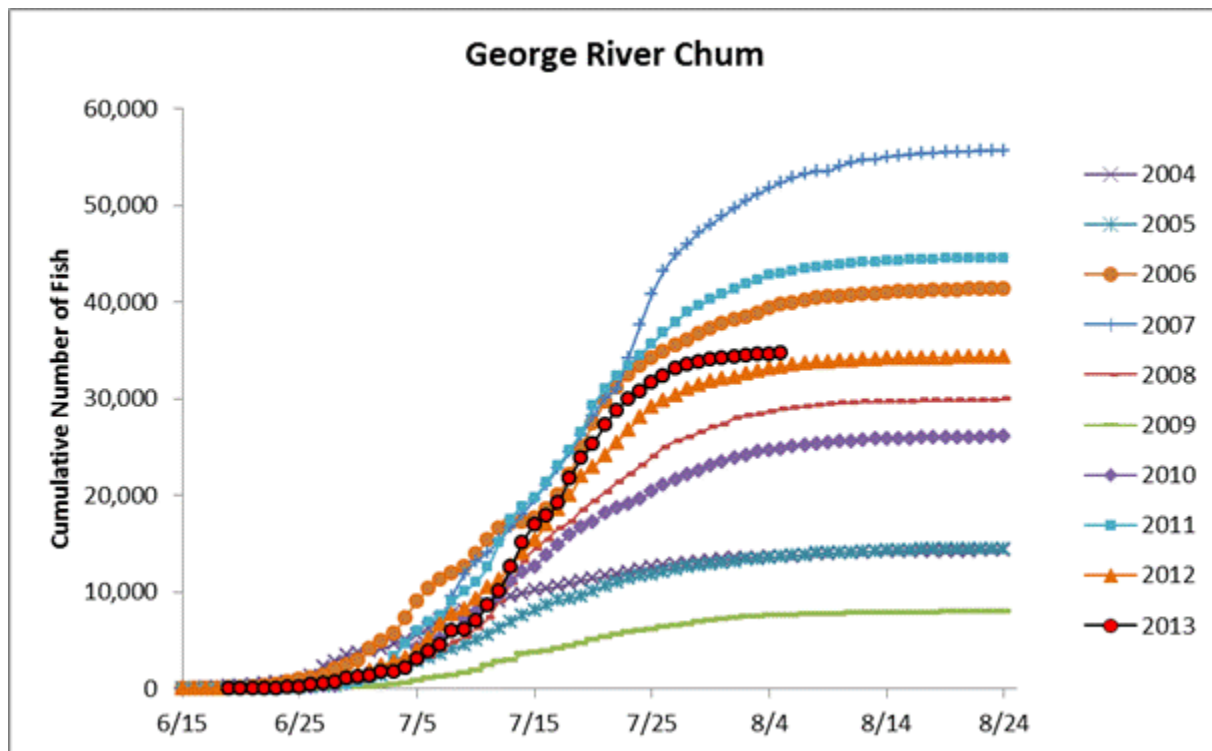
Chum Salmon (continued)

Salmon River weir historical cumulative daily passage of chum salmon						
Cumulative Daily Passage						
Date	2006	2007	2008	2009	2012	2013
8/3		23,626	8,226			6,633
8/4		23,937	8,411			6,787
8/5		24,213	8,707			6,897
8/6		24,359	8,960			
8/7		24,494	9,100			
8/8		24,599	9,165			
8/9		24,712	9,224			
Season Total	n.a.	25,379	9,459	n.a.	n.a.	



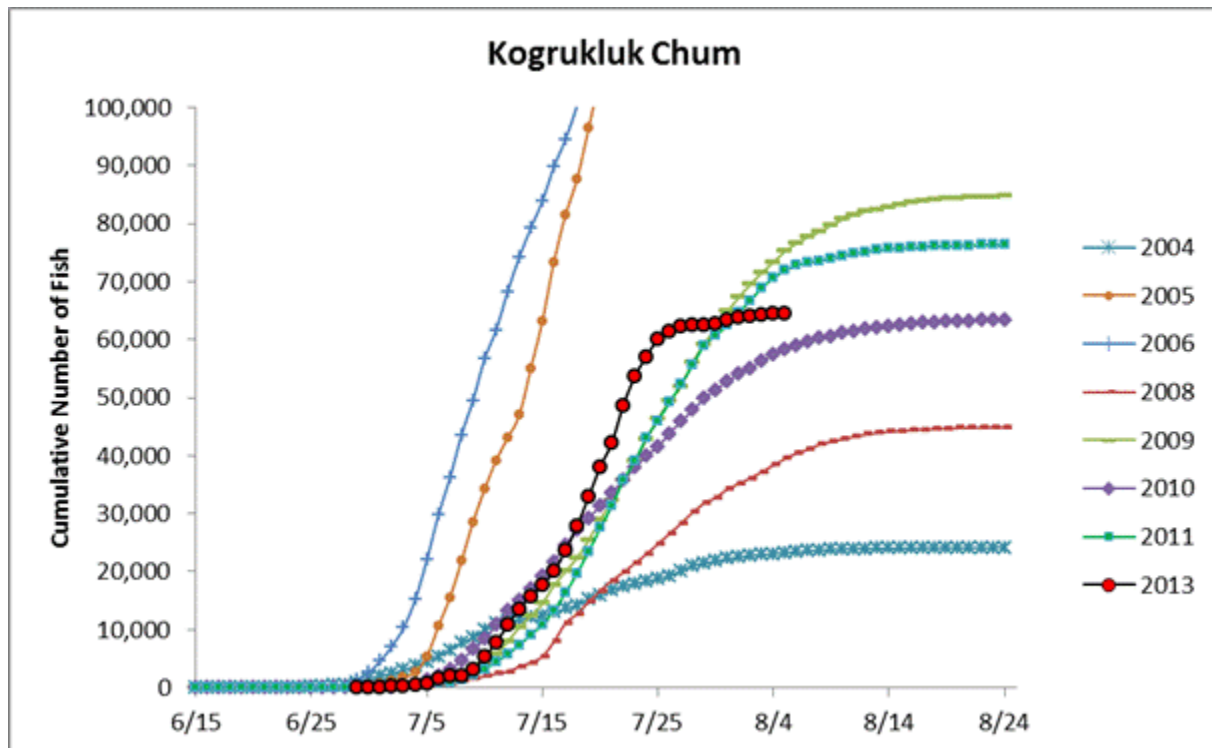
Chum Salmon (continued)

George River weir historical cumulative daily passage of chum salmon										
Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	13,551	13,446	38,843	51,191	28,381	7,495	24,448	42,283	32,843	34,527
8/4	13,597	13,576	39,342	51,737	28,679	7,530	24,676	42,780	33,077	34,607
8/5	13,657	13,670	39,701	52,335	28,840	7,566	24,831	42,961	33,277	34,671
8/6	13,693	13,753	39,920	52,811	29,047	7,628	25,048	43,243	33,457	
8/7	13,748	13,852	40,188	53,192	29,183	7,665	25,201	43,442	33,620	
8/8	13,909	13,999	40,350	53,477	29,315	7,698	25,355	43,613	33,729	
8/9	13,980	14,019	40,492	53,505	29,441	7,722	25,446	43,760	33,813	
Season Total	14,408	14,828	41,467	55,843	29,979	7,941	26,154	44,641	34,336	



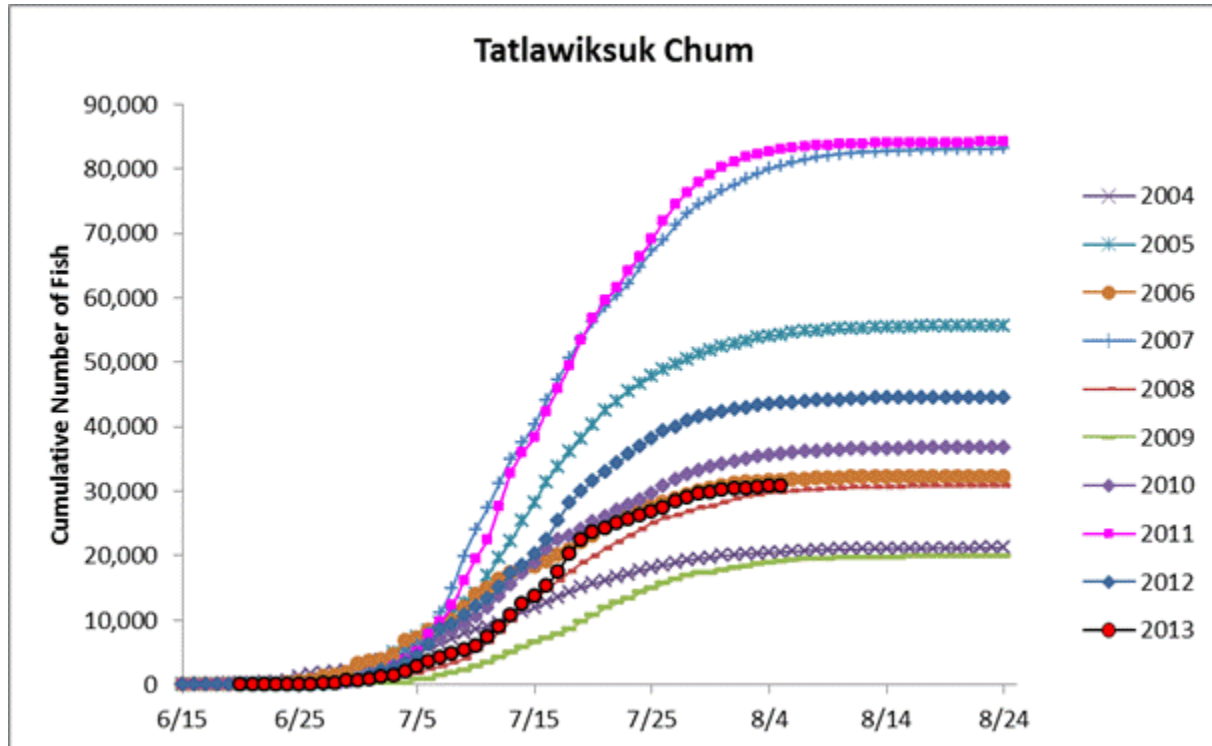
Chum Salmon (continued)

Kogrukluk River weir historical cumulative daily passage of chum salmon										
Escapement Goal Range: 15,000 to 49,000					= years when escapement goal achieved or exceeded					
Cumulative Daily Passage										
Date	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	22,916	184,923	167,055	43,716	37,197	71,562	56,284	68,911		64,318
8/4	23,081	186,662	169,271	44,091	38,340	73,324	57,354	70,613		64,408
8/5	23,262	188,072	171,342	44,513	39,452	75,187	58,266	71,892		64,571
8/6	23,411	189,590	172,704	44,982	40,392	76,597	58,961	72,747		
8/7	23,564	190,785	173,743	45,498	41,058	77,672	59,647	73,299		
8/8	23,701	192,054	174,754	46,180	41,898	78,611	60,201	73,609		
8/9	23,818	193,192	175,230	46,624	42,358	79,688	60,578	74,022		
Season Total	24,201	197,723	180,601	49,509	44,978	84,940	63,582	76,386	n.a.	



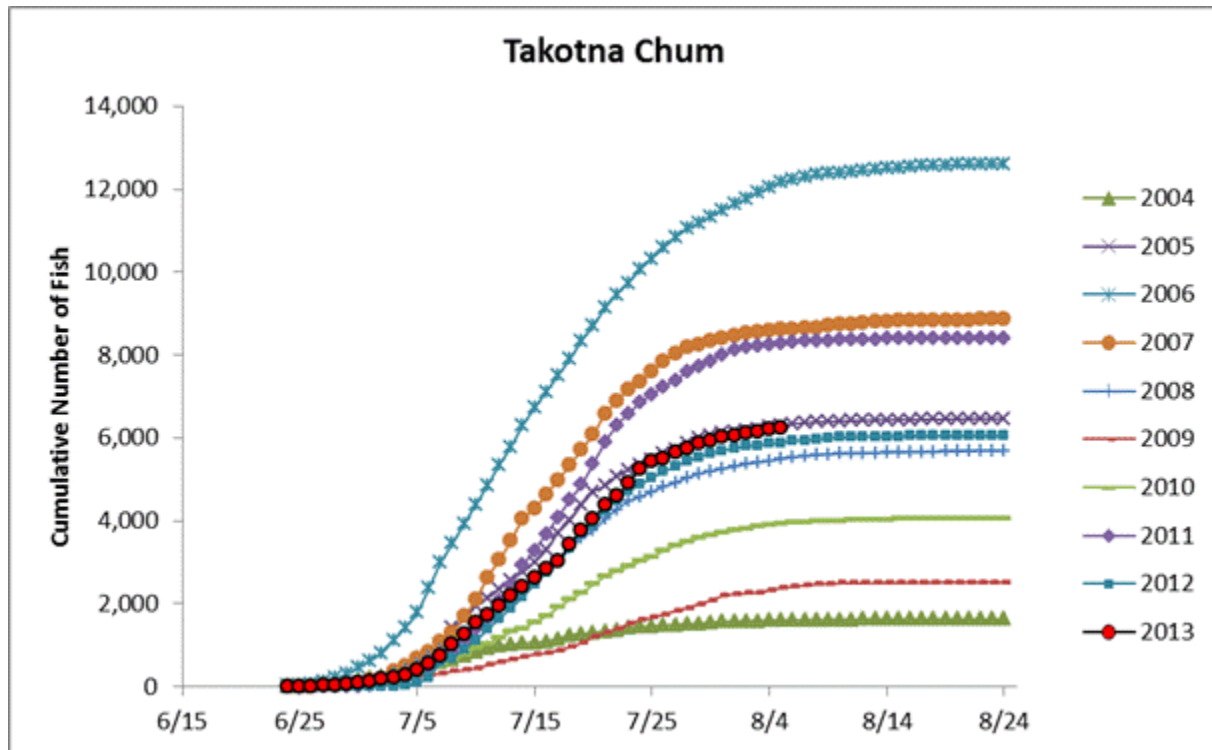
Chum Salmon (continued)

Tatlawiksuk River weir historical cumulative daily passage of chum salmon										
Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/2	20,277	53,322	31,331	78,446	29,206	18,317	35,039	81,779	42,991	30,490
8/3	20,362	53,808	31,455	79,296	29,456	18,677	35,355	82,270	43,287	30,617
8/4	20,455	54,074	31,559	80,015	29,743	18,925	35,624	82,660	43,447	30,783
8/5	20,572	54,339	31,631	80,461	29,901	19,118	35,836	82,970	43,631	30,855
8/6	20,659	54,566	31,746	80,974	30,093	19,282	35,977	83,217	43,799	
8/7	20,758	54,762	31,847	81,418	30,161	19,396	36,118	83,413	43,924	
8/8	20,892	54,884	31,920	81,792	30,290	19,457	36,232	83,569	44,022	
8/9	20,935	55,052	32,028	82,097	30,417	19,551	36,330	83,693	44,120	
Season Total	21,245	55,723	32,303	83,246	30,896	19,975	36,702	84,204	44,572	



Chum Salmon (continued)

Takotna River weir historical cumulative daily passage of chum salmon										
Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	1,593	6,217	11,921	8,555	5,408	2,272	3,862	8,229	5,827	6,164
8/4	1,598	6,261	12,052	8,582	5,453	2,325	3,898	8,263	5,863	6,208
8/5	1,603	6,305	12,183	8,609	5,498	2,378	3,934	8,291	5,888	6,245
8/6	1,608	6,342	12,245	8,637	5,535	2,411	3,956	8,314	5,933	
8/7	1,612	6,366	12,299	8,666	5,563	2,442	3,970	8,332	5,947	
8/8	1,616	6,390	12,353	8,668	5,591	2,473	3,984	8,347	5,972	
8/9	1,619	6,395	12,382	8,712	5,609	2,485	3,993	8,359	6,001	
Season Total	1,633	6,488	12,652	8,874	5,704	2,528	4,057	8,413	6,050	



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
8/3	1,195		1,366	1,276	859	686			263	604
8/4	1,278		1,670	1,447	1,259	873			308	689
8/5	1,630		1,806	2,495	1,427	1,263			344	771
8/6	2,475		2,022	2,948	1,885	1,424			467	
8/7	2,827		2,190	3,201	2,054	1,814			591	
8/8	3,007		2,293	3,527	2,336	2,031			731	
8/9	3,403		2,424	3,801	3,081	2,065			879	
Season Total	64,216	n.a.	25,664	20,256	49,972	21,911	n.a.	n.a.	19,960	

Tuluksak River weir historical cumulative daily passage of coho salmon										
Cumulative Daily Passage										
Date	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	399	91	166	86	126	26	20		254	117
8/4	463	123	222	124	155	68	20		273	131
8/5	521	165	271	223	193	94	23		290	154
8/6	837	188	310	286	271	110	24		318	
8/7	1,107	224	342	299	315	131	27		412	
8/8	1,181	266	385	310	346	155	50		503	
8/9	1,439	316	430	380	491	165	60		593	
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
8/3			78	92		16
8/4			91	103		21
8/5			123	110		31
8/6			166	124		
8/7			211	129		
8/8			248	147		
8/9			283	178		
Season Total	n.a.	n.a.	11,022	6,391	n.a.	

Coho Salmon (continued)

George River weir historical cumulative daily passage of coho salmon										
Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	58	87	56	197	96	65	55	261	68	45
8/4	101	94	71	278	147	72	65	347	94	59
8/5	143	112	96	661	199	76	77	371	117	81
8/6	181	131	103	995	265	92	81	439	146	
8/7	250	153	117	1,431	307	103	99	495	213	
8/8	322	352	125	1,968	530	118	108	562	279	
8/9	391	424	133	1,977	736	150	160	641	354	
Season Total	12,499	8,200	11,294	29,317	21,931	12,464	12,961	30,028	15,272	

Kogruduk 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
8/3	162	154	218	130	88	217	1	24	47	20
8/4	208	188	283	175	122	258	1	32	61	31
8/5	281	205	386	233	191	362	1	43	78	39
8/6	357	235	453	305	236	464	1	57	98	
8/7	468	272	559	390	263	591	1	73	120	
8/8	563	350	648	469	313	725	1	90	161	
8/9	676	397	713	587	367	875	1	123	188	
Season Total	27,042	24,115	17,011	27,034	29,661	22,981	13,970	24,174	13,697	

Tatlawiksuk River weir historical cumulative daily passage of coho salmon										
Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	477	284		264	299	208	28	124	102	207
8/4	605	320		323	452	285	42	148	141	232
8/5	819	356		424	534	346	83	177	202	335
8/6	1,271	407		550	774	474	132	213	267	
8/7	1,739	487		722	894	589	173	257	369	
8/8	2,176	547		940	1,168	679	204	311	495	
8/9	2,673	719		1,204	1,483	929	247	377	589	
Season Total	16,410	7,496	n.a.	8,686	11,065	10,148	3,521	12,927	8,070	335

Coho Salmon (continued)

Takotna River weir historical cumulative daily passage of coho salmon										
Date	Cumulative Daily Passage									
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8/3	3	16	13	15	6	3	0	2	2	0
8/4	6	24	28	26	9	4	0	2	2	0
8/5	9	32	43	37	12	5	0	2	4	0
8/6	25	37	51	54	15	13	0	2	4	
8/7	39	39	67	75	19	21	0	2	10	
8/8	53	41	83	88	23	29	0	2	12	
8/9	77	47	108	126	30	52	2	2	13	
Season Total	3,201	2,209	5,556	2,836	2,807	2,704	3,217	4,062	1,838	

AERIAL SURVEYS

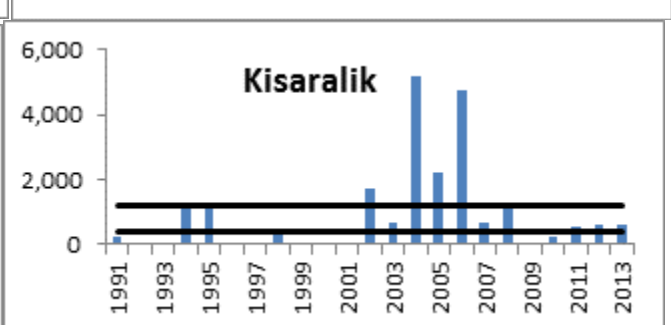
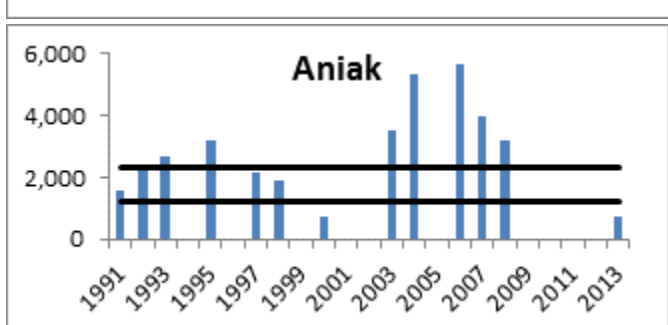
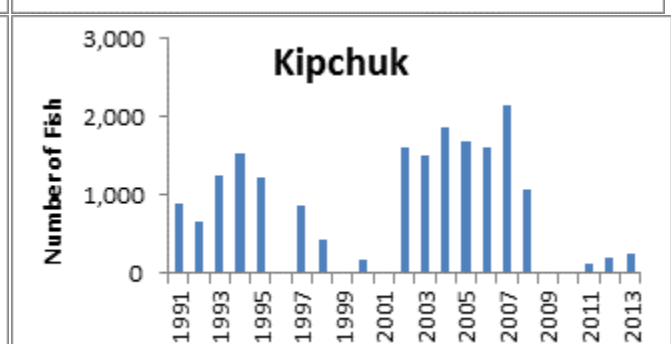
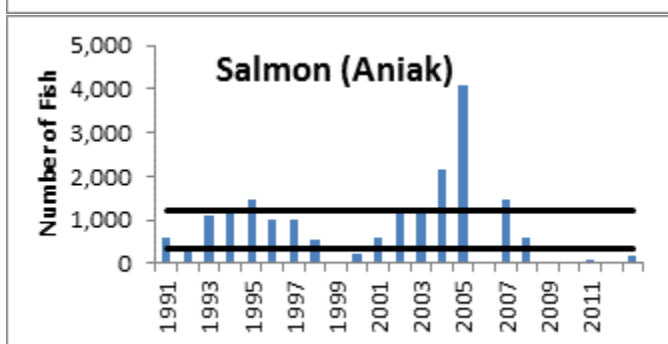
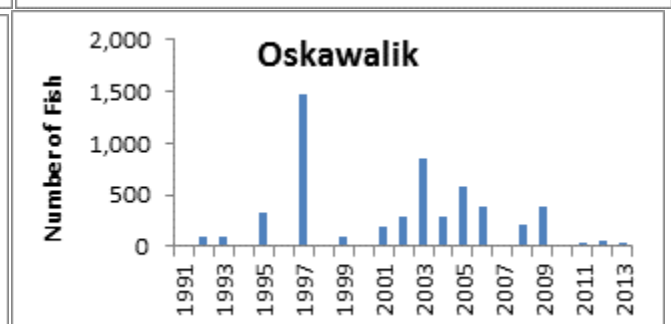
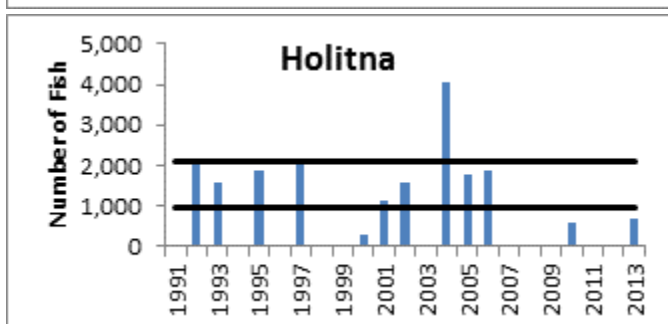
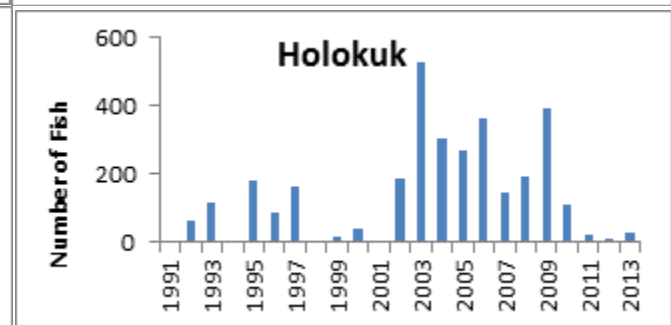
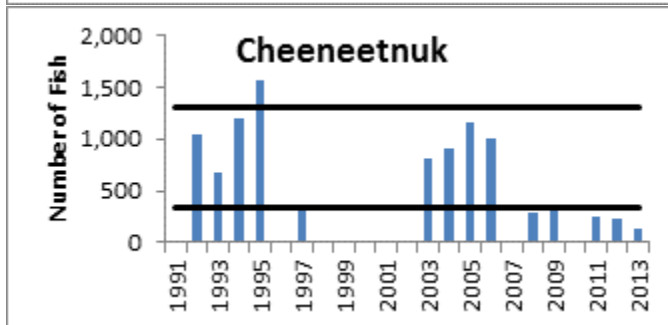
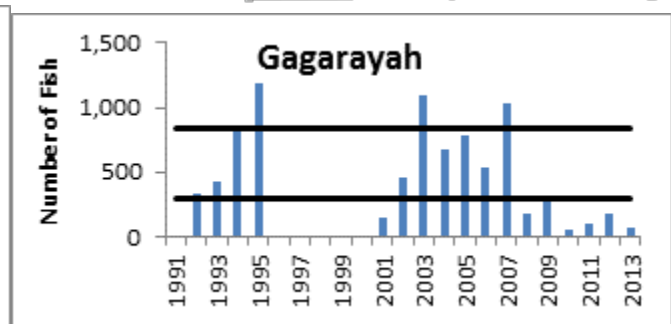
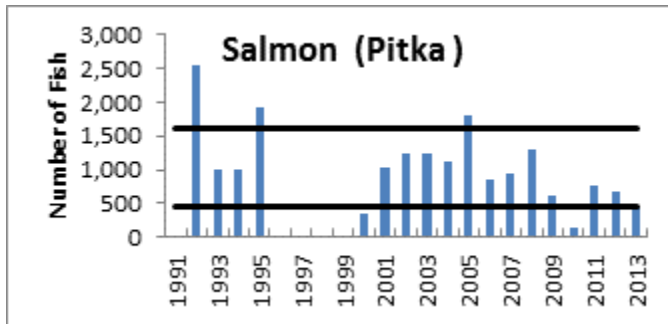
Chinook salmon spawning aerial survey index estimates, Kuskokwim River Drainage, Kuskokwim Management Area, 1979-2013.

Year	Lower Kuskokwim River ^a				Middle Kuskokwim River ^a						Upper Kuskokwim River ^a		
	EEK	Canyon C.	Kisaralik	Tuluksak	Aniak	Kipchuk	Salmon	Holokuk	Oskawalk	Holina	Gagarayah	Cheeneetnuk	Salmon (Pitka)
1975					202	94				2,571	663		
1976		997									897	1,407	1,940
1977		1,116		439				60			504	268	1,100
1978		1,722	2,417	403			322			2,766			682
1979								45					1,450
1980	2,378			1,035			1,186						1,439
1981		2,034	672		9,074								413
1982		471	81					42		521			572
1983	188			202	1,909		231	33		1,069			545
1984											1,177		620
1985	1,118		63	142				135			1,002		317
1986					424		336	100		650			
1987	1,739					193	516	210	193		205		
1988	2,255		869	188	954		244		80				473
1989	1,042	1,157	152		2,109	994	631						452
1990			631	200	1,255	537	596	157	113				
1991	1,312		217	358	1,564	885	583						
1992					2,284	670	335	64	91	2,022	328	1,050	2,536
1993					2,687	1,248	1,082	114	103	1,573	419	678	1,010
1994			1,243			1,520	1,218				807	1,206	1,010
1995			1,243		3,171	1,215	1,446	181	326	1,887	1,193	1,565	1,911
1996							985	85					
1997					2,187	855	980	165	1,470	2,093		345	
1998	522		457		1,930	443	557						
1999								18	98				
2000					714	182	238	42		301			362
2001							598		186	1,130	143		1,033
2002		1,795	1,727			1,615	1,236	186	295	1,578	452		1,255
2003	1,236	2,628	654	94	3,514	1,493	1,242	528	844		1,095	810	1,241
2004	4,653	6,801	5,157	1,196	5,362	1,868	2,177	306	293	4,051	670	918	1,138
2005		5,059	2,206	672		1,679	4,097	268	582	1,760	788	1,155	1,801
2006			4,734		5,639	1,618		365	386	1,866	531	1,015	862
2007			692	173	3,984	2,147	1,458	146			1,035		943
2008		487	1,074		3,222	1,061	589	190	213		177	290	1,305
2009								390	379		303	323	632
2010			235					108		587	62		135
2011	263		534			116	79	20	26		96	249	767
2012			610			193	49	9	51		178	229	670
2013	240	1,165	597	83	754	261	154	29	38	670	74	138	475
Escapement Goal:			400-1,200		1,200-2,300		330-1,200			970-2,100	300-830	340-1,300	470-1,600
10-yr ave	2,051	3,354	1,762	534	4,344	1,310	1,281	229	326	1,829	461	624	982

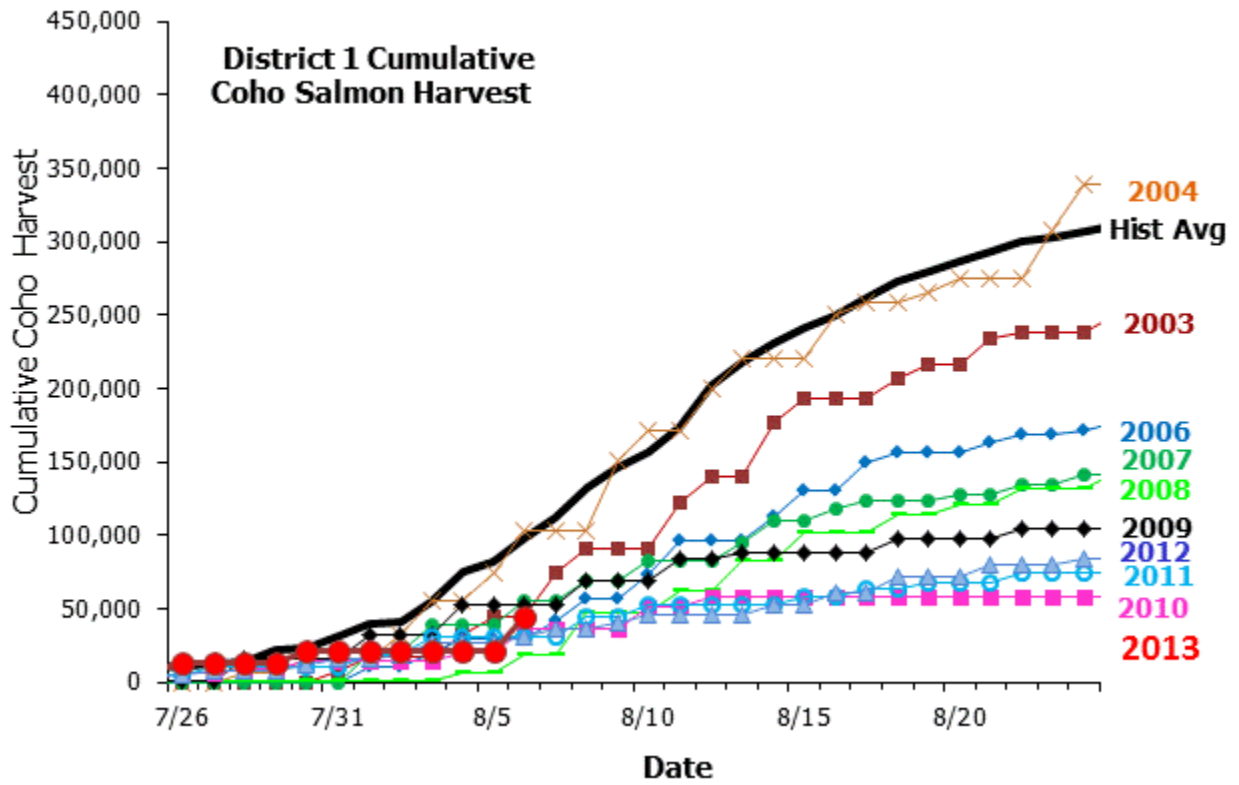
^a Estimates are from aerial surveys conducted during peak spawning periods under 'good' or 'fair' survey conditions.

AERIAL SURVEYS (continued)

Escapement Goal Range



COMMERCIAL CATCH REPORT



Historical Catch Statistics

District 1 Commercial Openings for 2013

Date	Subdistrict	Permits	Hours ^b	Chinook		Sockeye		Chum		Coho	
				Catch	CPUE	Catch	CPUE	Catch	CPUE	Catch	CPUE
7/16/2013	1-B	189	6	133 ^a	0.12	373	0.33	24,823	21.89	1,894	1.67
7/19/2013	1-B	221	4	6 ^a	0.01	78	0.09	15,413	17.44	2,097	2.37
7/23/2013	1-B	218	4	12 ^a	0.01	47	0.05	5,771	6.62	2,960	3.39
7/26/2013	1-B	171	4	1 ^a	0.00	45	0.07	3,121	4.56	5,785	8.46
7/30/2013	1-B	227	4	3 ^a	0.00	35	0.04	1,712	1.89	8,968	9.88
8/6/2013	1-B	273	4	2 ^a	0.00	20	0.02	706	0.65	23,195	21.24
Total			26	157		598		51,546		44,899	

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.