

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: 08/15/2018

Time: 10:00 a.m.

Place: Bethel

Time Called to Order:

Chair: TBD

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:
KRITFC:
ADF&G:

INTRODUCTIONS:

INVOCATION:

APPROVAL OF AGENDA: *the agenda may be amended at this time.*

APPROVAL OF MINUTES: *Optional. ADF&G does not prepare official meeting minutes.*

USFWS/KRITFC UPDATE:

ADF&G MANAGEMENT ACTIONS UNDER CONSIDERATION:

PEOPLE TO BE HEARD:

CONTINUING BUSINESS:

- Subsistence Reports: Lowest River, ~~ONC Inseason Subsistence Report~~, Lower River, Middle River, Upper River, Headwaters
- Overview of Kuskokwim River salmon run assessment:
 - a. Test Fisheries (Bethel ~~and Aniak~~):
 - b. ~~Sonar~~/Weirs/Aerial Surveys/Other:
 - c. Subsistence Division Project Update:
 - d. NVN Project Update:
- Commercial Catch Report:
- Processor Report:
- Sport Fish Report:
- Intercept Fishery Report: *optional*
- Weather Forecast:
- Discussion of ADF&G Management considerations and discussion of possible alternatives (recommendations from the Working Group):
- Motion for Discussion and Action:

OLD BUSINESS:

NEW BUSINESS:

COMMENTS FROM WORKING GROUP MEMBERS:

NEXT MEETING DATE: _____ Time: _____ Place: _____

Informational Packet

Information Packets *ARE*:

- **Intended to help inform Working Group discussions.**
- **To be viewed and used in context with Working Group meetings only.**

Packets *ARE NOT*:

- **To be viewed as standalone documents.**
- **A final say on fisheries management decisions.**

Please use this information responsibly:

Packet information is an incomplete snapshot of an ongoing discussion and changing conditions. Packet information should not be reproduced for any purpose other than to describe Working Group meeting discussions.

Misuse of Packet information can contribute to misunderstandings that can **cause harm to salmon users** and potentially **damage salmon resources**.

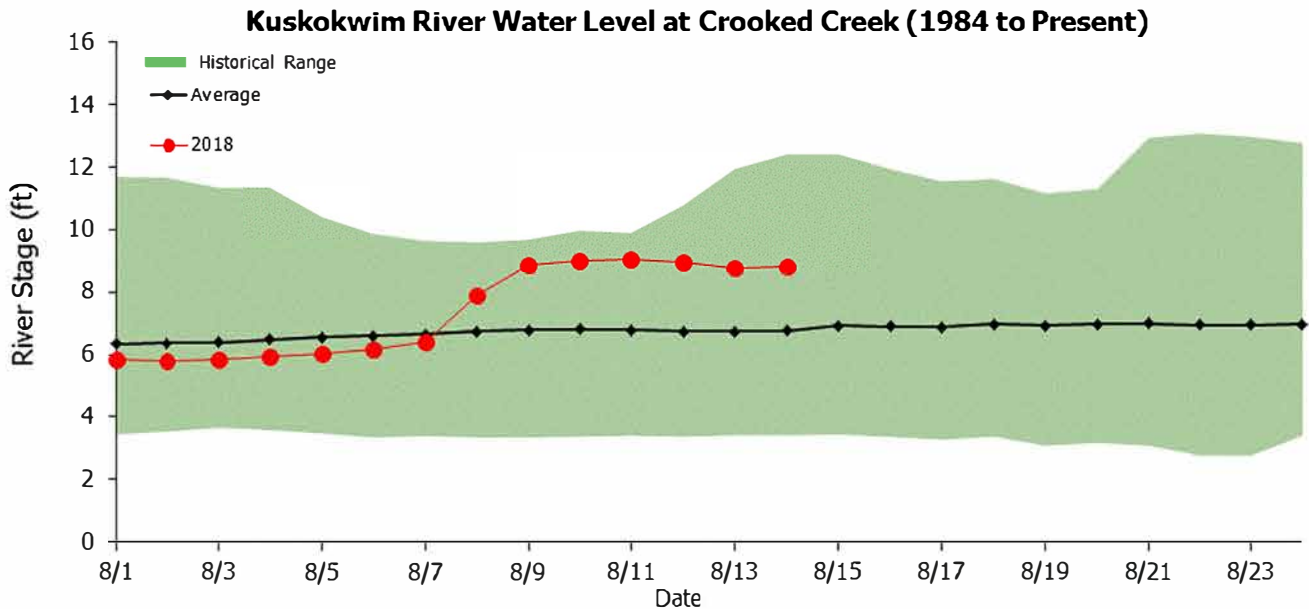
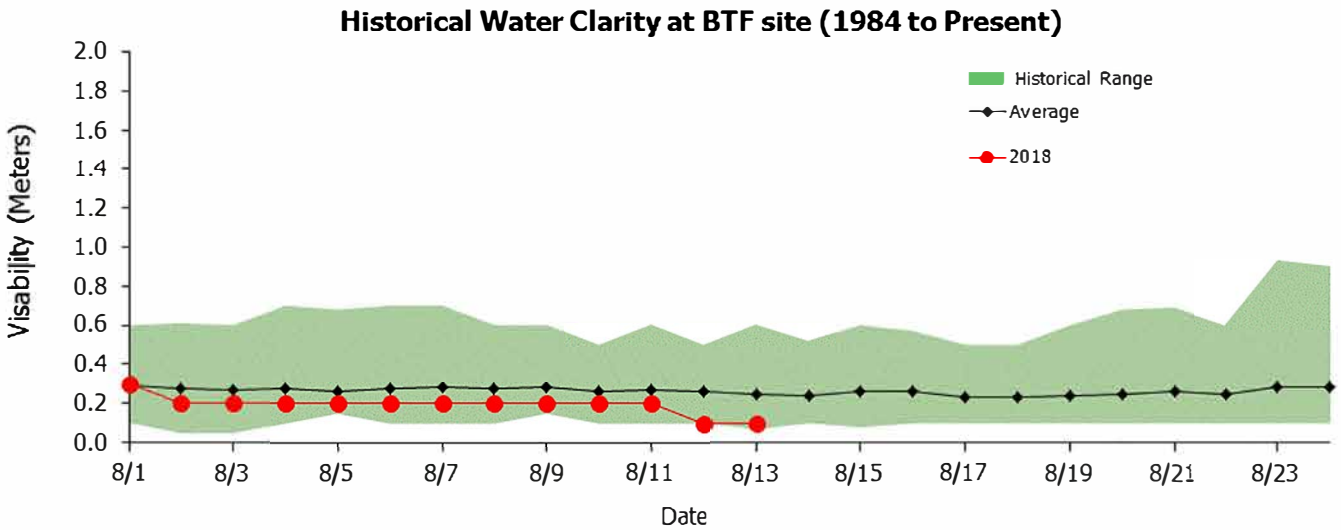
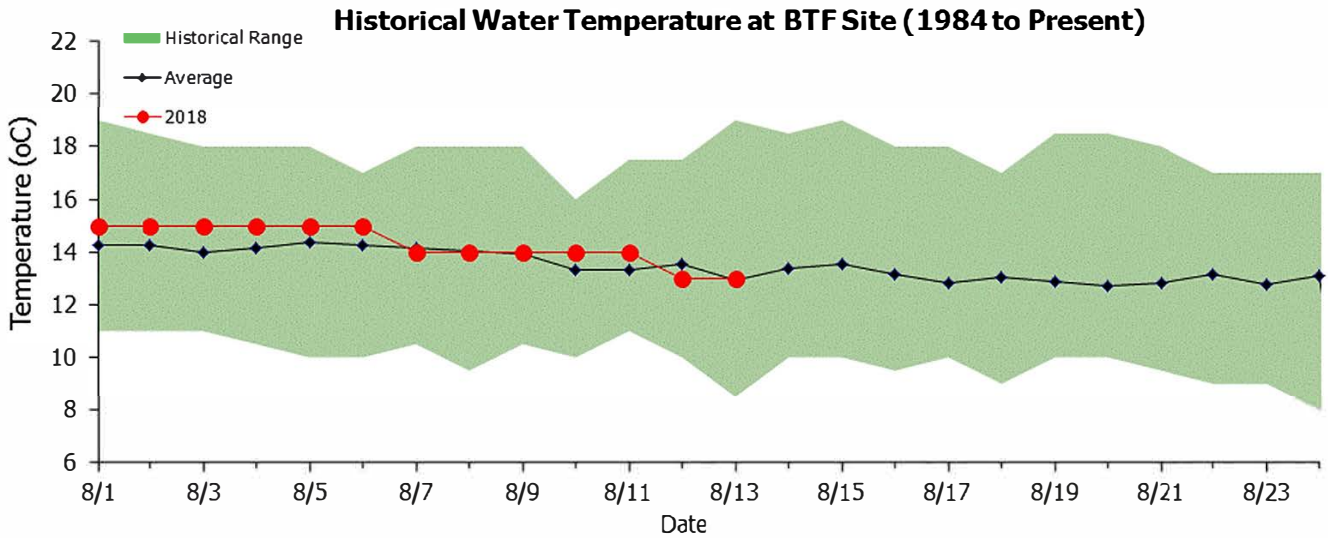
Ask Questions: ADF&G staff will be happy to answer biology and management questions. Please call **1-855-933-2433** to reach ADF&G Kuskokwim Area staff.

Attend Meetings: Each Working Group meeting is announced at least 48 hours prior to time and date of meeting. In addition, each meeting is recorded. Recordings can be found here:
http://www.adfg.alaska.gov/index.cfm?adfg=commercialbyarea_kuskokwim.kswg

Viewing the information packet while listening to meetings/recordings will provide a better understanding of the information presented in this packet.

Thank you.
Jennifer Peeks
Aaron Tiernan
Working Group Coordinators

Informational Packet



Informational Packet

Kuskokwim River Salmon Assessment Update

8/13/2018



This document presents the key assessment information considered by managers in-season. The production of this document is a collaborative effort between USFWS and ADF&G. **All data and analyses contained are preliminary and are subject to change, so please make interpretations carefully.**

If you have any questions about the content, please contact Ben Staton (USFWS; benjamin_staton@fws.gov) or Nick Smith (ADF&G; nick.smith@alaska.gov).

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Species Composition Summaries

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Abbreviations:

- BTF: Bethel Test Fishery
- ATF: Aniak Test Fishery
- CPUE: Catch-per-unit-effort
- EOS: End-of-Season
- ADF&G: Alaska Department of Fish and Game
- KRITFC: Kuskokwim River Inter-Tribal Fish Commission
- OTNC: Orutsaramiut Traditional Native Council
- USFWS: United States Fish and Wildlife Service
- YDNWR: Yukon Delta National Wildlife Refuge

To view escapement information, please visit the **ADF&G Kuskokwim River Fish Counts** page:

- <http://www.adfg.alaska.gov/index.cfm?adfg=commercialbyareakuskokwim.salmon#fishcounts>

For the most up-to-date information regarding fishing opportunities please visit:

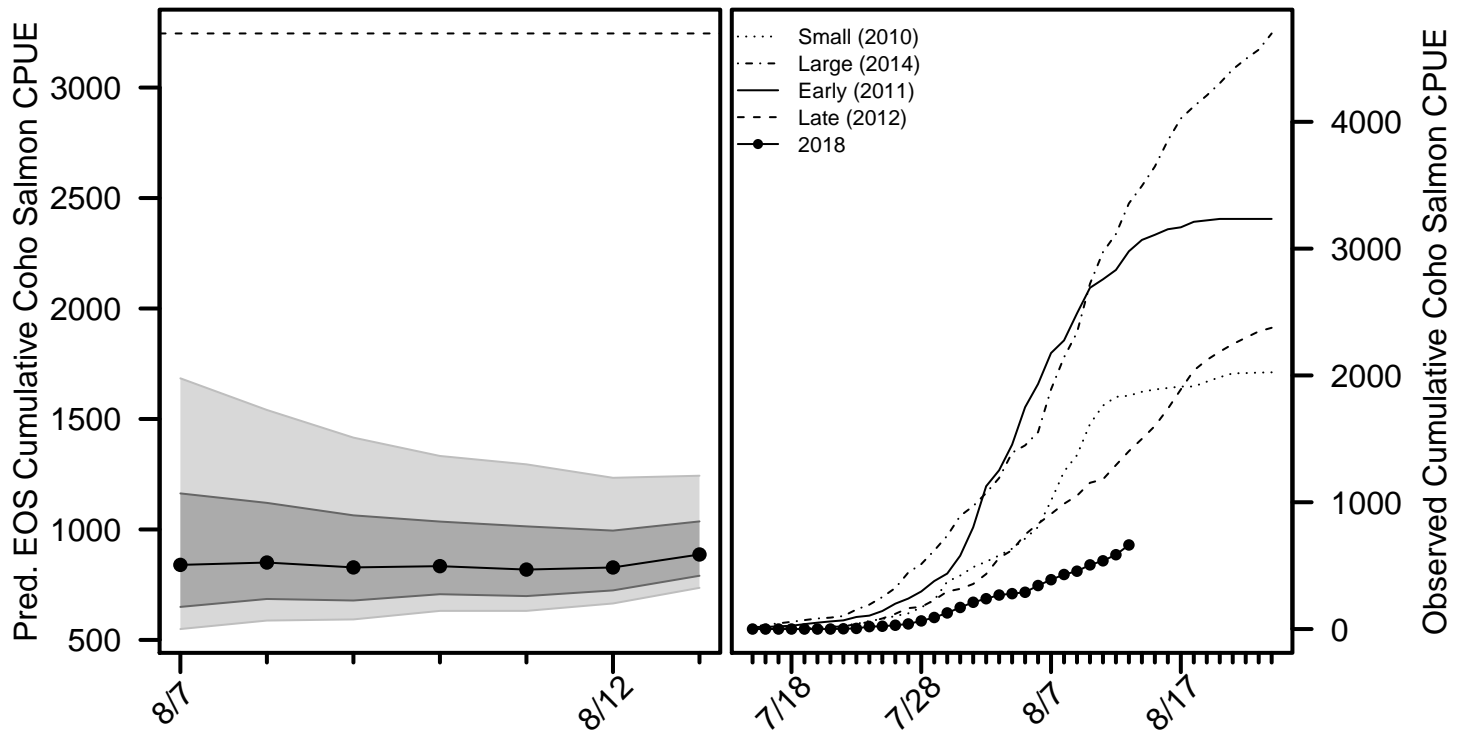
- **USFWS:** https://www.fws.gov/refuge/yukon_delta/wildlife_and_habitat/dailyupdate.html
- **ADF&G:** <http://www.adfg.alaska.gov/index.cfm?adfg=cfnews.main>

Informational Packet

Coho Salmon BTF Summary (8/13)

- The BTF daily CPUE was **77**.
- The BTF cumulative CPUE is now **663**.
- **0%** years since 2008 fell below this cumulative CPUE on this date.
- **75%** of the run is complete based on historical average run timing.
- **64% - 84%** of the run is complete based the central 50% of all historical run timing scenarios.
- **11% - 22%** of the run is expected to pass Bethel in the next 5 days.
- Over the last 3 days, coho salmon made up **79%** of the BTF catches, compared to **98%** on average.

Coho Salmon Figure 1. *Left:* predicted cumulative EOS BTF CPUE according to various run timing scenarios: central 80% (light grey band), central 50% (dark grey band), and the historical median (circles). The dashed horizontal line shows the EOS value from 2017. *Right:* The cumulative BTF CPUE from 2018 plotted along with four previous years intended to represent a range of early/late and small/large index values.



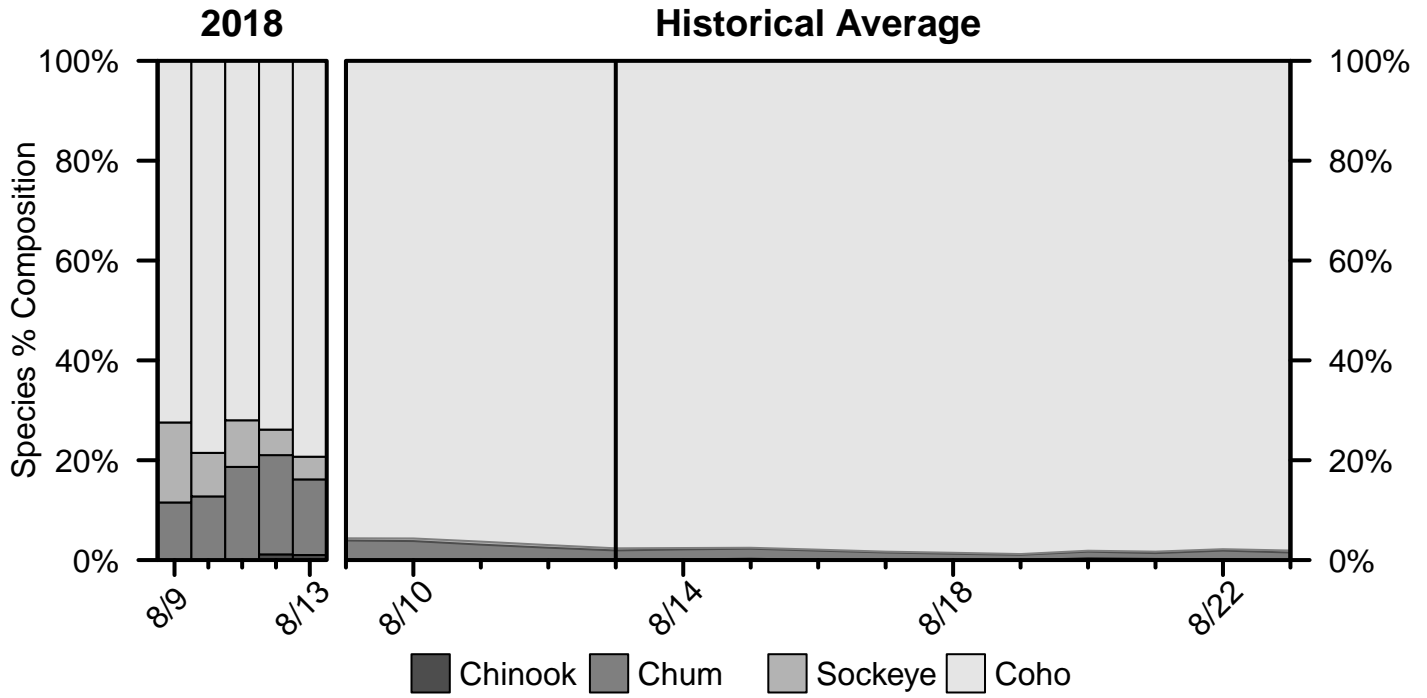
For more detailed information, see the [coho salmon appendix](#) at the end of this document.

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Informational Packet

Percent Composition by Salmon Species

Percent Composition Figure 1. Species percent composition in the BTF from 2018 and based on the historical average. The composition presented on each day represents the average composition over the past 3 days.



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Informational Packet

Chinook, Chum, Sockeye Salmon Summaries

Chinook Salmon Summary

- The BTF daily CPUE was **0** (cumulative: **663**).
- If the run ended on 8/13, 50% of the run would have passed BTF on **6/25**, which is **2 days later** than average.
- The sonar project ended on 7/26 with a cumulative passage estimate of **105,600 (90,900 - 120,200)**.
- The ATF completed operations on 7/15 with an EOS cumulative CPUE of **820**, compared to **6,508** in 2017, **2,729** in 2016, and **2,916** in 2015.
- The table below shows cumulative CPUE from the BTF from 2018 and in previous years.

Date	2018	2017	2016	2015	2014	5-Yr Avg.	2008 - 2017 Avg.
8/10	661	371	687	625	650	519	538
8/11	661	371	687	625	650	519	538
8/12	663	371	687	625	650	519	538
8/13	663	371	687	625	650	519	538
EOS		374	687	625	650	519	538

Chum Salmon Summary

- The BTF daily CPUE was **5** (cumulative: **8,193**).
- If the run ended on 8/13, 50% of the run would have passed BTF on **7/10**, which is **5 days later** than average.
- The sonar project ended on 7/26 with a cumulative passage estimate of **552,000 (506,200 - 597,800)**.
- The ATF completed operations on 7/15 with an EOS cumulative CPUE of **10,277**, compared to **11,588** in 2017, **5,304** in 2016, and **5,669** in 2015.
- The table below shows cumulative CPUE from the BTF from 2018 and in previous years.

Date	2018	2017	2016	2015	2014	5-Yr Avg.	2008 - 2017 Avg.
8/10	8,163	6,754	3,865	2,909	6,315	5,103	6,493
8/11	8,181	6,756	3,866	2,911	6,319	5,105	6,495
8/12	8,188	6,756	3,868	2,914	6,324	5,108	6,499
8/13	8,193	6,757	3,871	2,921	6,327	5,111	6,503
EOS		6,785	3,894	2,943	6,343	5,135	6,525

Sockeye Salmon Summary

- The BTF daily CPUE was **2** (cumulative: **2,271**).
- If the run ended on 8/13, 50% of the run would have passed BTF on **7/7**, which is **8 days later** than average.
- The sonar project ended on 7/26 with a cumulative passage estimate of **635,500 (579,700 - 691,400)**.
- The ATF completed operations on 7/15 with an EOS cumulative CPUE of **75**, compared to **393** in 2017, **405** in 2016, and **1,245** in 2015.
- The table below shows cumulative CPUE from the BTF from 2018 and in previous years.

Date	2018	2017	2016	2015	2014	5-Yr Avg.	2008 - 2017 Avg.
8/10	2,262	2,676	2,390	2,147	1,363	1,944	1,701
8/11	2,266	2,678	2,414	2,147	1,363	1,950	1,703
8/12	2,269	2,683	2,421	2,148	1,363	1,952	1,705
8/13	2,271	2,683	2,429	2,148	1,363	1,954	1,706
EOS		2,690	2,463	2,157	1,367	1,965	1,711

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Informational Packet

Coho Salmon Appendix

Coho Salmon Table A1. Cumulative CPUE from the BTF.

Date	2018	2017	2016	2015	2014	5-Yr Avg.	2008 - 2017 Avg.
8/10	506	1,271	1,351	1,322	2,723	1,668	2,047
8/11	538	1,395	1,466	1,396	2,972	1,829	2,178
8/12	586	1,671	1,568	1,523	3,115	1,977	2,313
8/13	663	1,817	1,672	1,666	3,357	2,115	2,446
8/14		1,934	1,828	1,732	3,494	2,235	2,559
8/15		1,976	1,991	1,837	3,648	2,333	2,654
8/16		2,112	2,266	2,055	3,853	2,520	2,799
EOS		3,245	3,530	2,736	4,697	3,414	3,470

Coho Salmon Table A2. Percent of run complete according to various historical run timing scenarios from the BTF.

Timing	Midpoint	8/13 Cumulative %
Earliest	7/29	95%
Early 10%	8/4	90%
Early 25%	8/6	84%
Median	8/8	75%
Late 25%	8/11	64%
Late 10%	8/13	53%
Latest	8/15	42%

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Supplemental Kuskokwim River Salmon Escapement Data

Salmon escapement projects are located upriver from where the majority of salmon harvest occurs. Therefore, escapement data provide limited information about the status of salmon runs in season. Data from escapement projects are primarily used post season to assess escapement goals and trends.

Daily escapement information can be viewed online at the ADF&G Kuskokwim Management Area Fish Counts webpage. This can be accessed through the following link:

<http://www.adfg.alaska.gov/index.cfm?adfg=commercialbyareakuskokwim.salmon#fishcounts>

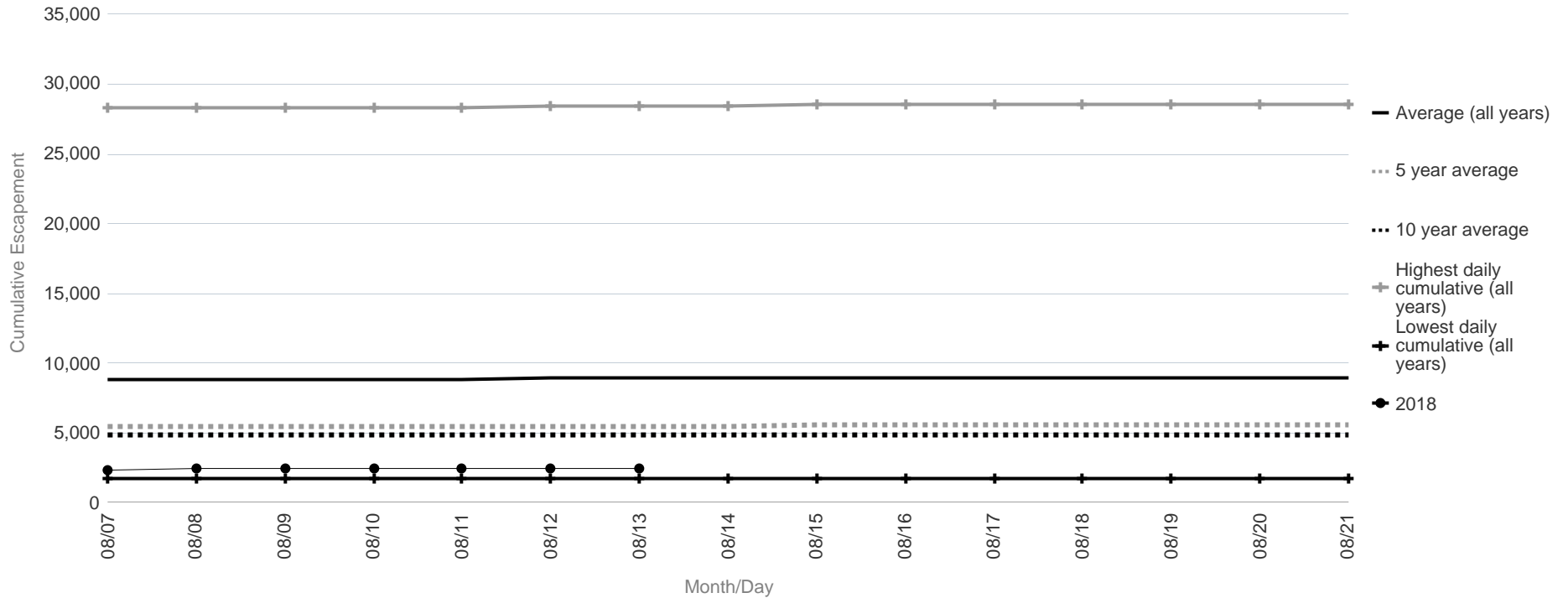
Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 4,100 to 7,500

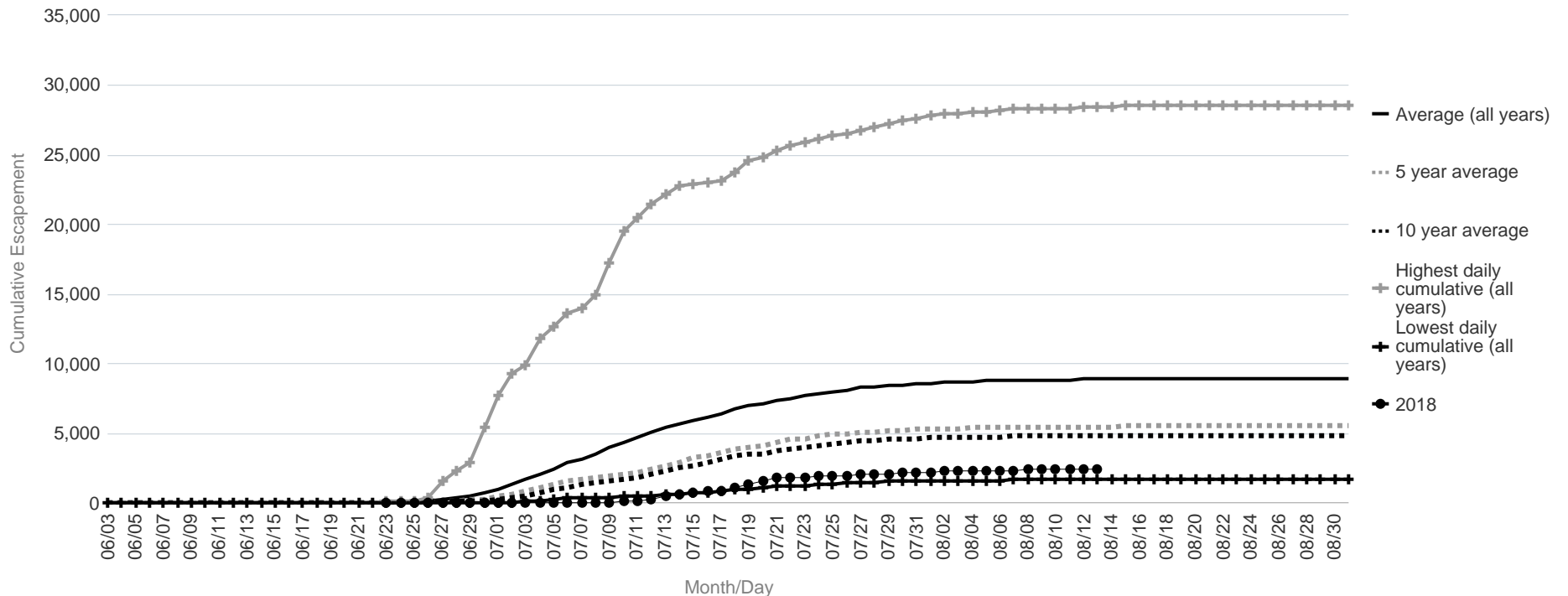
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	1,652	8,815	5,425	4,780	28,269	2,359
08/08	1,658	8,830	5,434	4,788	28,300	2,377
08/09	1,660	8,843	5,444	4,797	28,312	2,396
08/10	1,661	8,854	5,454	4,805	28,333	2,404
08/11	1,662	8,865	5,464	4,813	28,365	2,411
08/12	1,665	8,875	5,473	4,820	28,402	2,419
08/13	1,666	8,893	5,490	4,830	28,442	2,424
08/14	1,666	8,904	5,496	4,835	28,483	
08/15	1,667	8,910	5,503	4,839	28,495	
08/16	1,667	8,916	5,509	4,843	28,503	
08/17	1,667	8,922	5,516	4,847	28,524	
08/18	1,667	8,927	5,520	4,850	28,540	
08/19	1,667	8,933	5,526	4,854	28,557	
08/20	1,667	8,937	5,533	4,857	28,564	
08/21	1,667	8,940	5,538	4,860	28,573	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	1,669	8,963	5,584	4,888	28,605

Focused Two-Week Data View



Season Total Overview

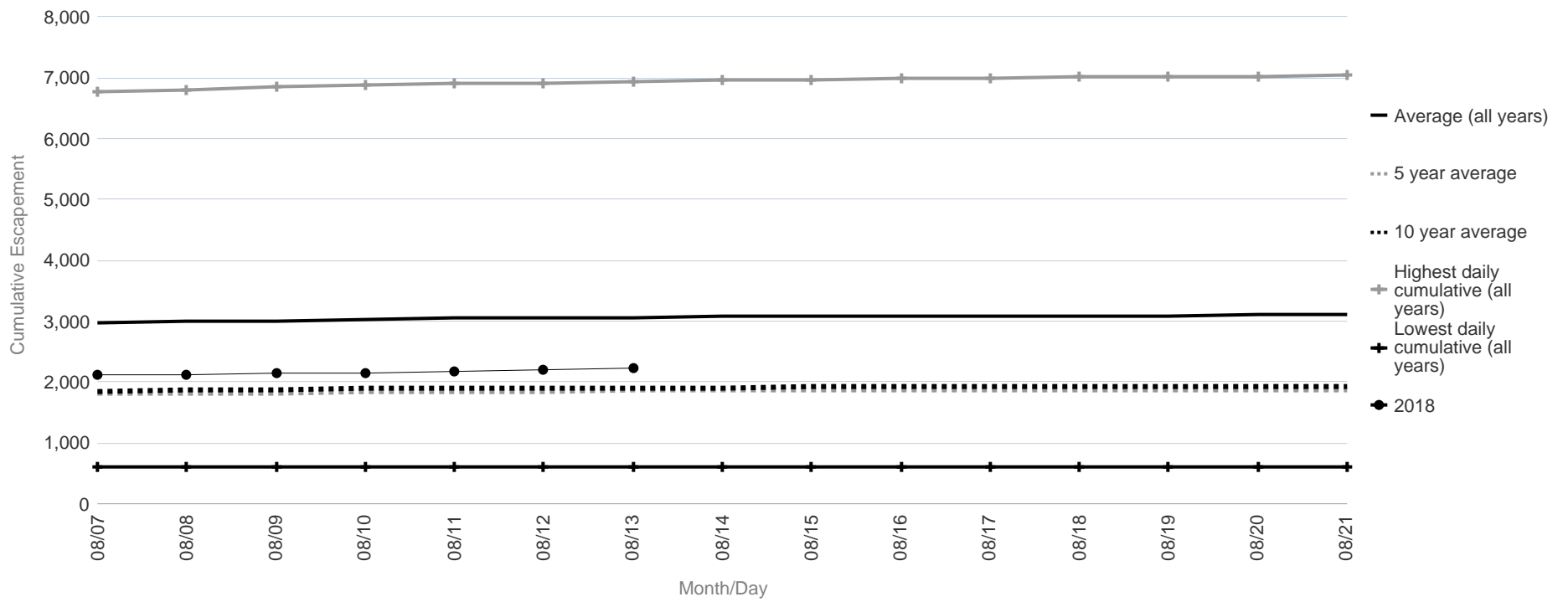


Salmon River (Aniak) Salmon Monitoring Project Passage of Chinook Salmon

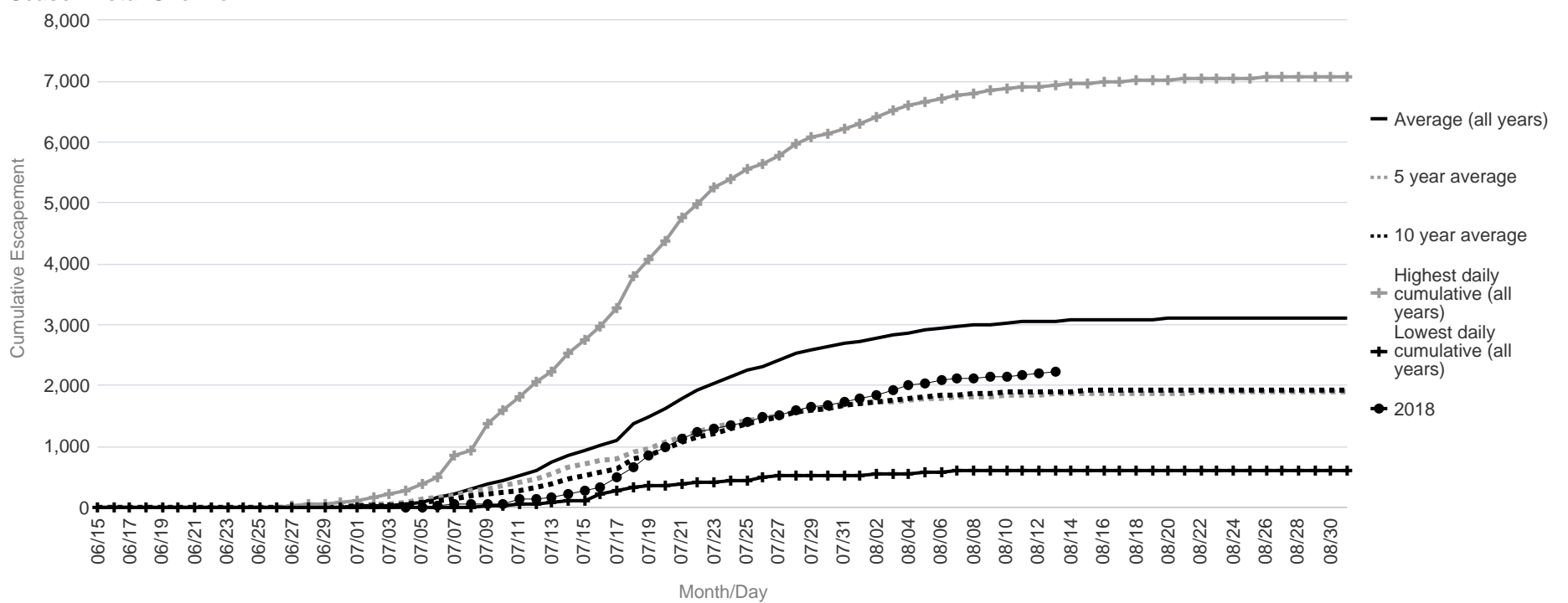
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	603	2,970	1,812	1,853	6,763	2,117
08/08	610	2,997	1,822	1,868	6,808	2,131
08/09	612	3,012	1,833	1,879	6,843	2,145
08/10	612	3,033	1,848	1,894	6,874	2,164
08/11	616	3,046	1,852	1,900	6,901	2,189
08/12	617	3,058	1,861	1,907	6,925	2,217
08/13	618	3,069	1,869	1,913	6,946	2,239
08/14	619	3,077	1,873	1,917	6,964	
08/15	620	3,084	1,878	1,921	6,980	
08/16	620	3,089	1,881	1,923	6,994	
08/17	620	3,093	1,883	1,926	7,006	
08/18	621	3,097	1,885	1,927	7,017	
08/19	621	3,100	1,887	1,929	7,026	
08/20	621	3,102	1,888	1,930	7,034	
08/21	621	3,105	1,890	1,931	7,041	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	625	3,119	1,897	1,936	7,075

Focused Two-Week Data View



Season Total Overview



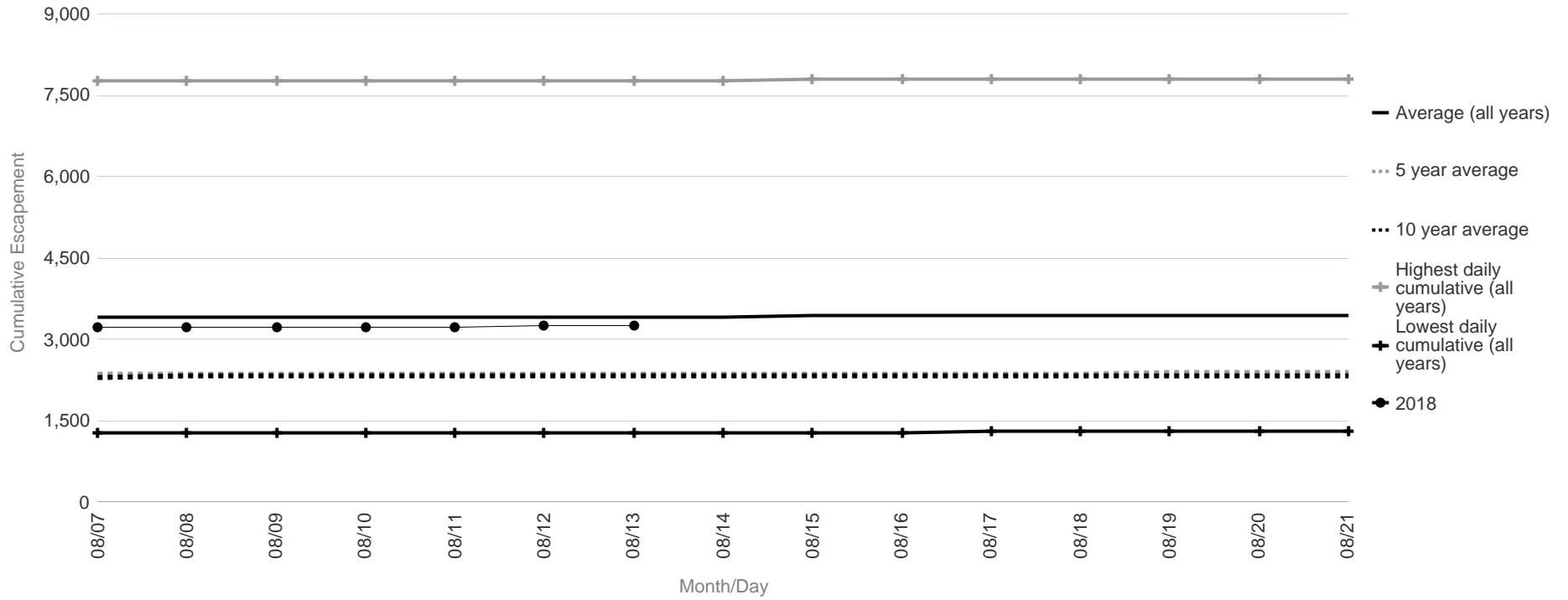
George River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 1,800 to 3,300

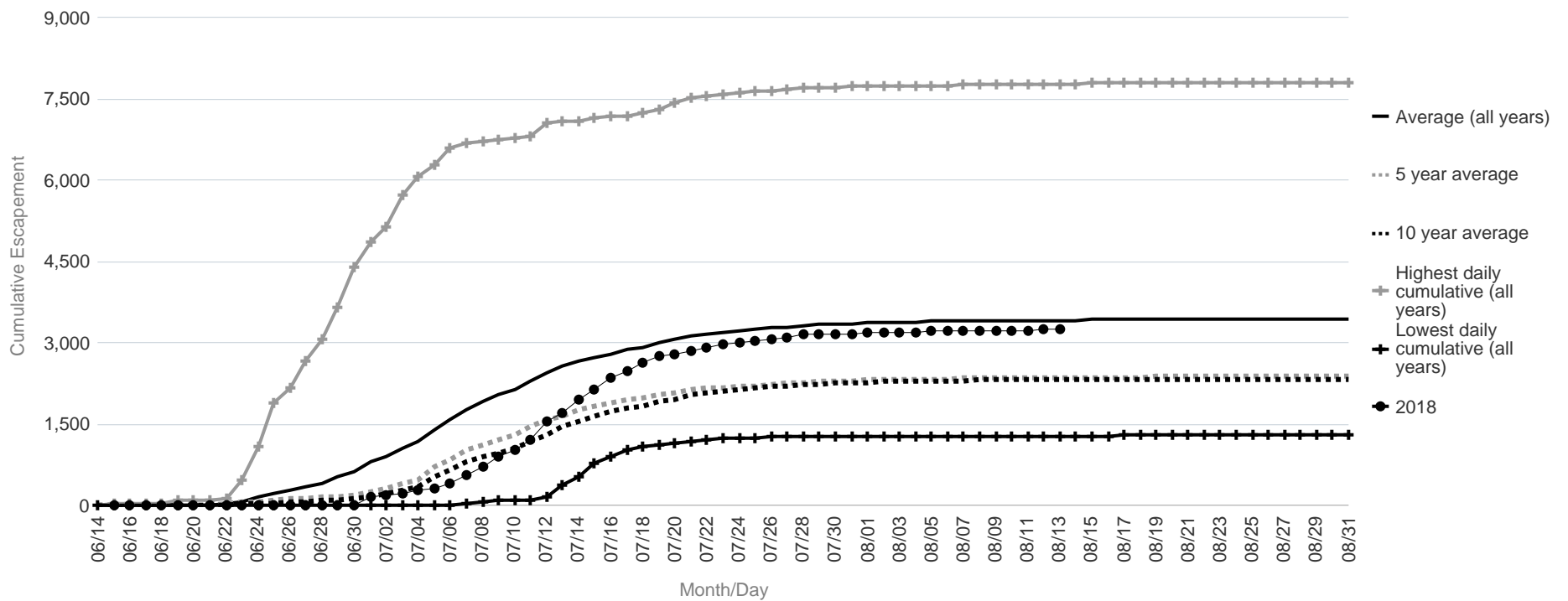
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	1,284	3,403	2,348	2,310	7,762	3,226
08/08	1,284	3,407	2,350	2,312	7,765	3,231
08/09	1,285	3,410	2,354	2,315	7,770	3,236
08/10	1,285	3,414	2,357	2,318	7,771	3,238
08/11	1,286	3,417	2,359	2,321	7,774	3,239
08/12	1,288	3,420	2,361	2,323	7,782	3,244
08/13	1,288	3,422	2,363	2,325	7,787	3,246
08/14	1,288	3,425	2,365	2,327	7,790	
08/15	1,288	3,427	2,368	2,329	7,794	
08/16	1,288	3,429	2,369	2,330	7,802	
08/17	1,290	3,431	2,371	2,331	7,803	
08/18	1,290	3,432	2,372	2,332	7,804	
08/19	1,290	3,433	2,375	2,333	7,804	
08/20	1,290	3,434	2,375	2,334	7,807	
08/21	1,291	3,434	2,377	2,335	7,809	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	1,292	3,439	2,383	2,339	7,810

Focused Two-Week Data View



Season Total Overview



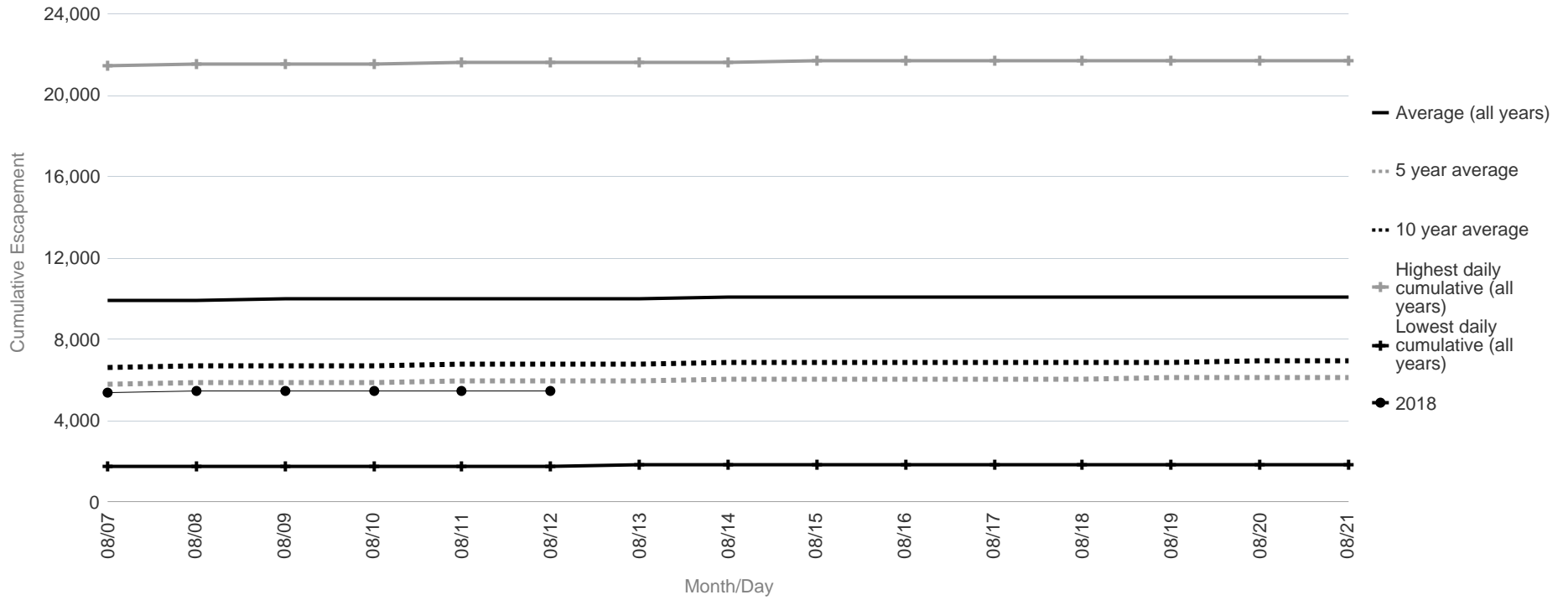
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 4,800 to 8,800

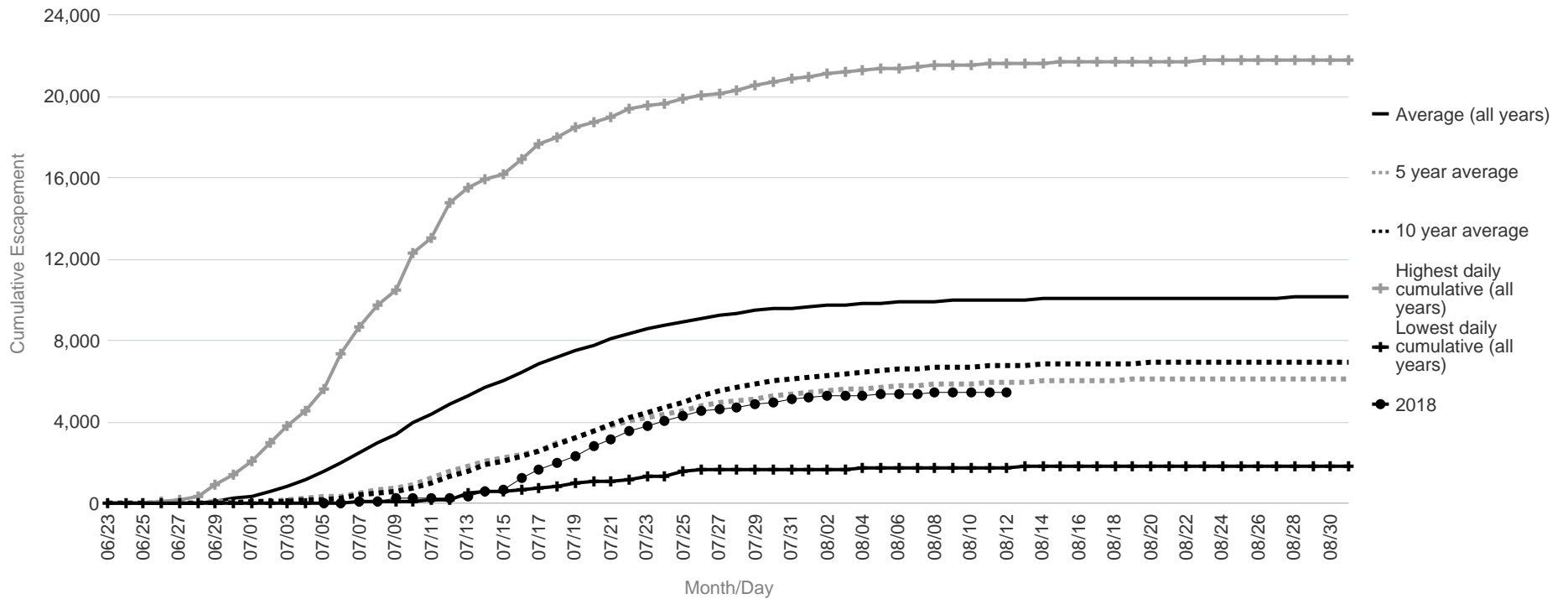
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	1,746	9,927	5,808	6,634	21,476	5,404
08/08	1,756	9,950	5,847	6,670	21,527	5,428
08/09	1,765	9,969	5,882	6,706	21,557	5,459
08/10	1,773	9,988	5,915	6,740	21,589	5,461
08/11	1,780	10,003	5,940	6,768	21,603	5,461
08/12	1,786	10,020	5,966	6,793	21,629	5,461
08/13	1,791	10,035	5,987	6,812	21,662	
08/14	1,795	10,047	6,007	6,830	21,678	
08/15	1,799	10,058	6,028	6,846	21,691	
08/16	1,802	10,069	6,044	6,863	21,698	
08/17	1,805	10,078	6,059	6,878	21,707	
08/18	1,808	10,086	6,072	6,891	21,730	
08/19	1,810	10,094	6,086	6,901	21,746	
08/20	1,812	10,100	6,097	6,910	21,755	
08/21	1,814	10,105	6,100	6,915	21,763	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	1,819	10,135	6,138	6,946	21,819

Focused Two-Week Data View



Season Total Overview

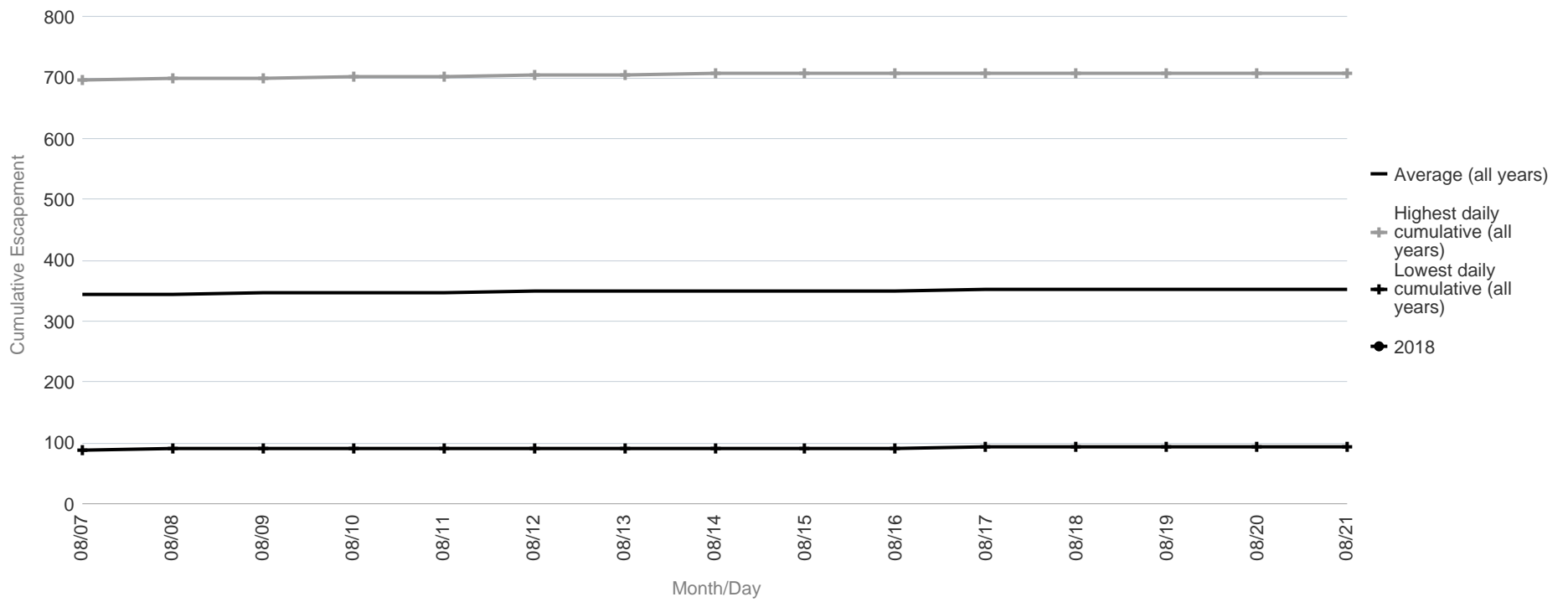


Takotna River Salmon Monitoring Project Passage of Chinook Salmon

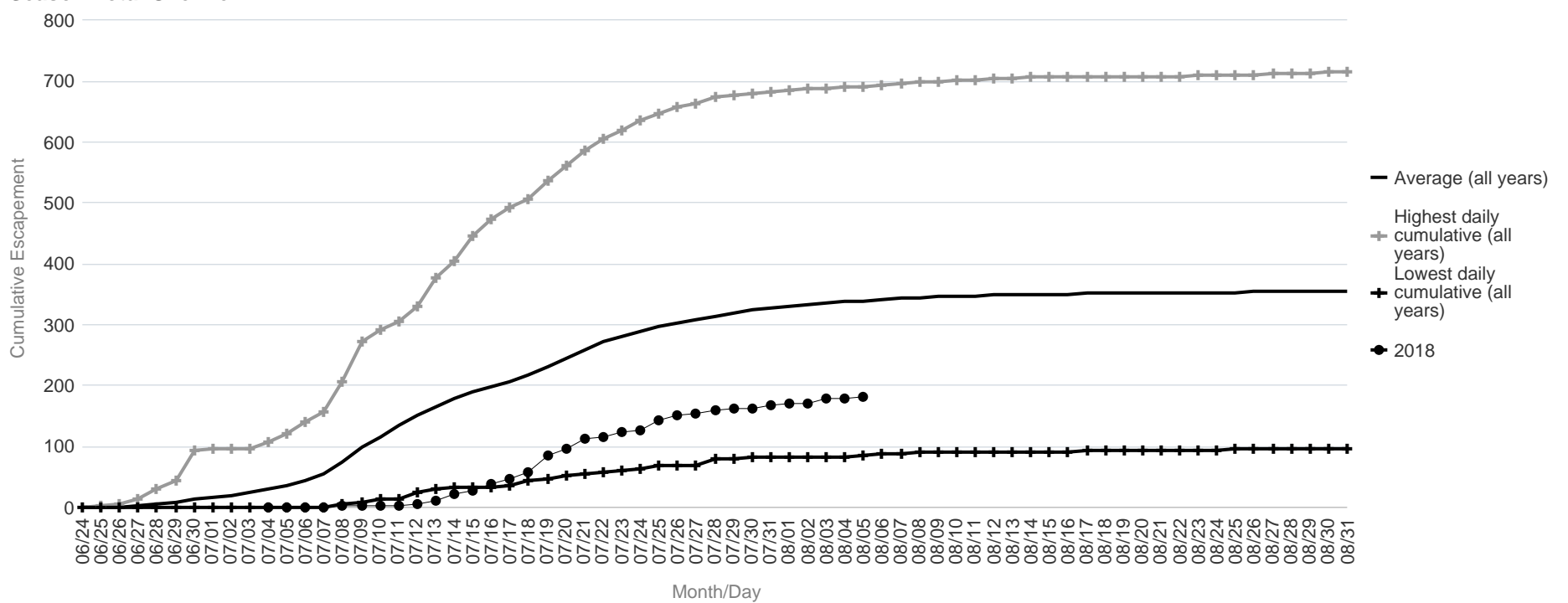
Date	Lowest daily cumulative (all years)	Average (all years)	Highest daily cumulative (all years)	2018
08/07	89	343	696	
08/08	92	345	699	
08/09	92	346	700	
08/10	92	347	702	
08/11	92	348	703	
08/12	92	349	705	
08/13	92	350	706	
08/14	92	350	707	
08/15	92	351	707	
08/16	92	351	708	
08/17	94	351	708	
08/18	94	352	709	
08/19	95	352	709	
08/20	95	353	709	
08/21	95	353	709	

	Lowest Count	Average Count	Highest Count
Season Total	97	357	718

Focused Two-Week Data View



Season Total Overview

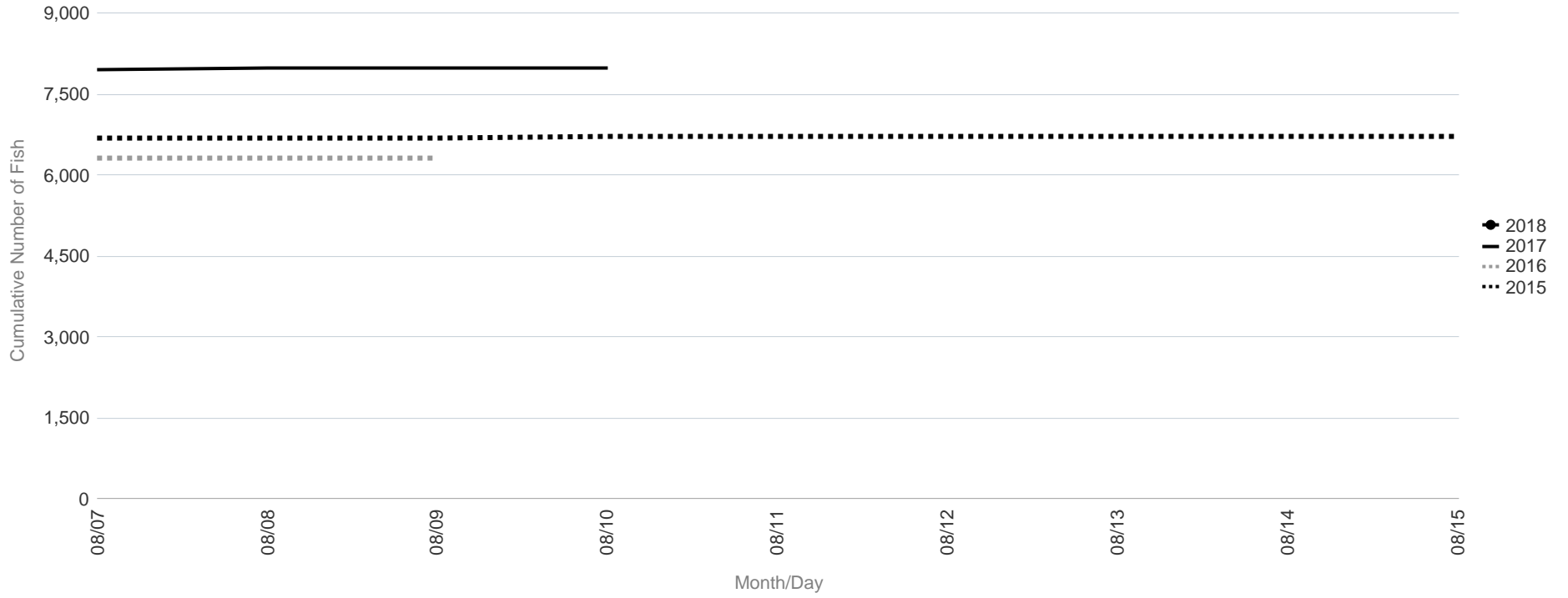


Salmon River (Pitka Fork) Salmon Monitoring Project Passage of Chinook Salmon

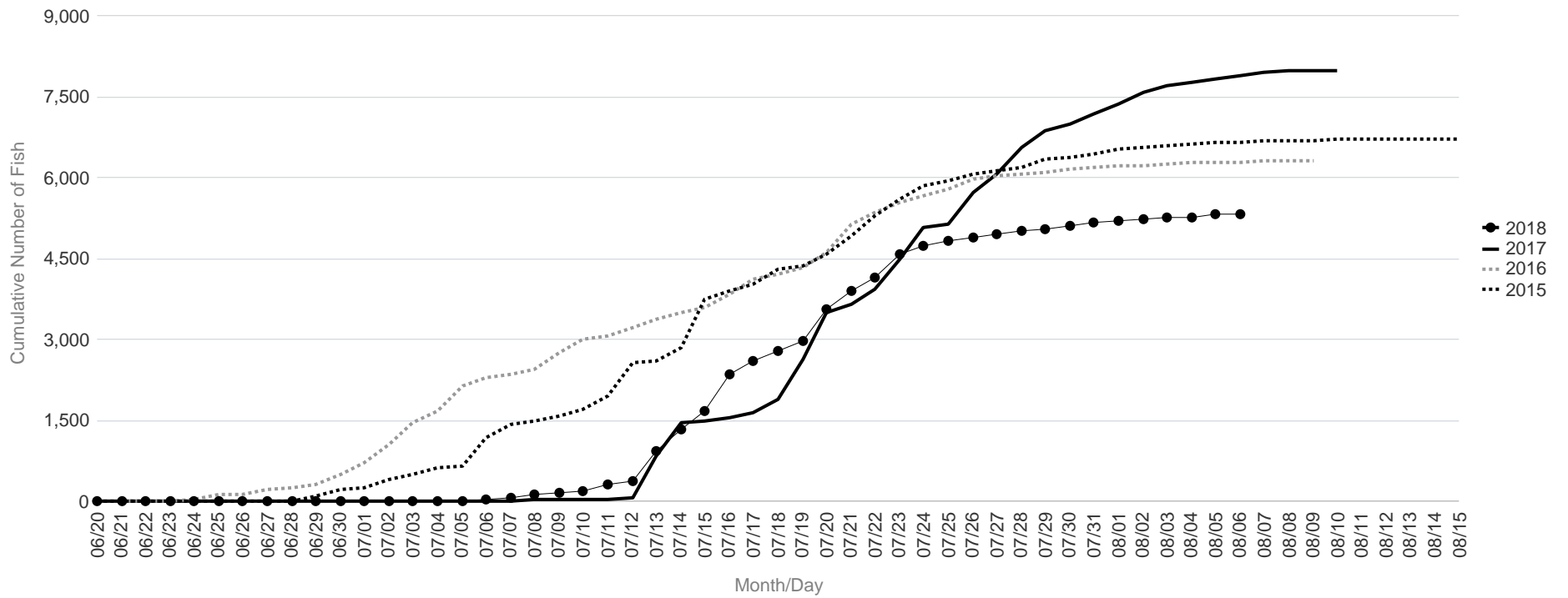
Cumulative Daily Passage				
Date	2015	2016	2017	2018
08/07	6,680	6,313	7,964	
08/08	6,685	6,324	7,978	
08/09	6,699	6,326	7,994	
08/10	6,708		8,003	
08/11	6,713			
08/12	6,719			
08/13	6,724			
08/14	6,726			
08/15	6,736			

	2015	2016	2017
Season Total	6,736	6,326	8,003

Focused Two-Week Data View



Season Total Overview

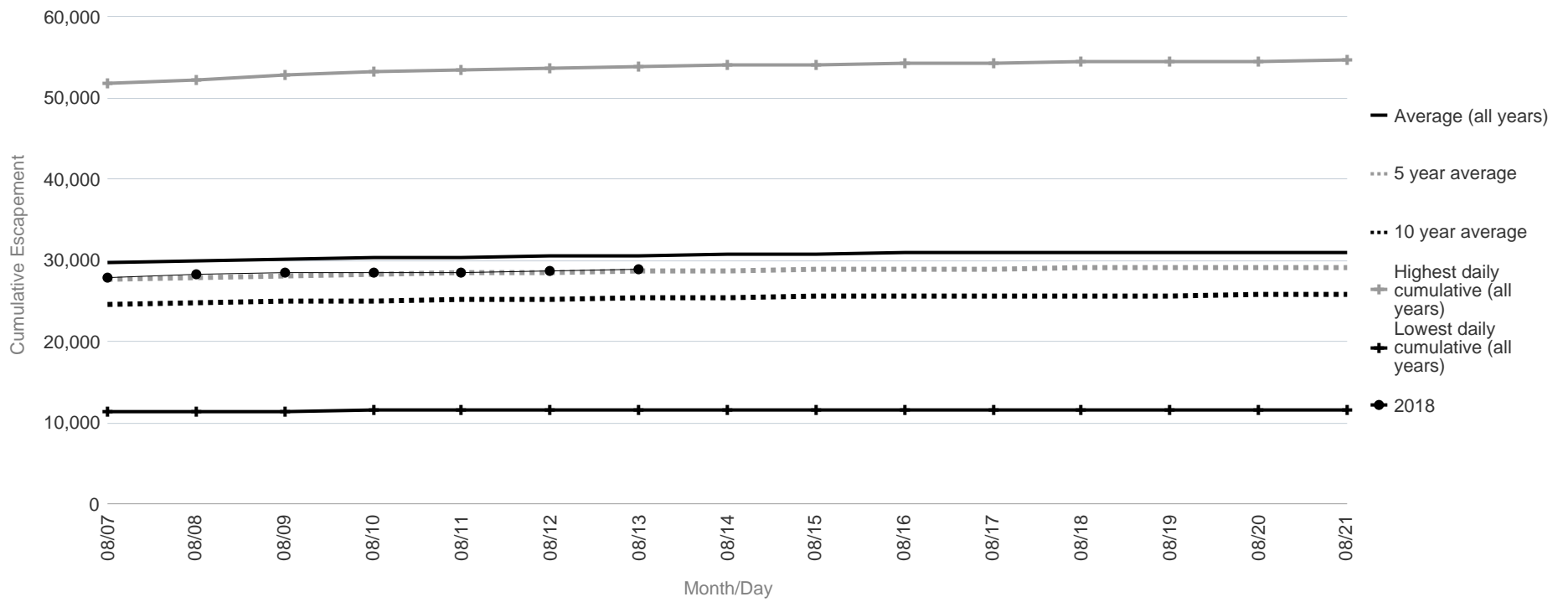


Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

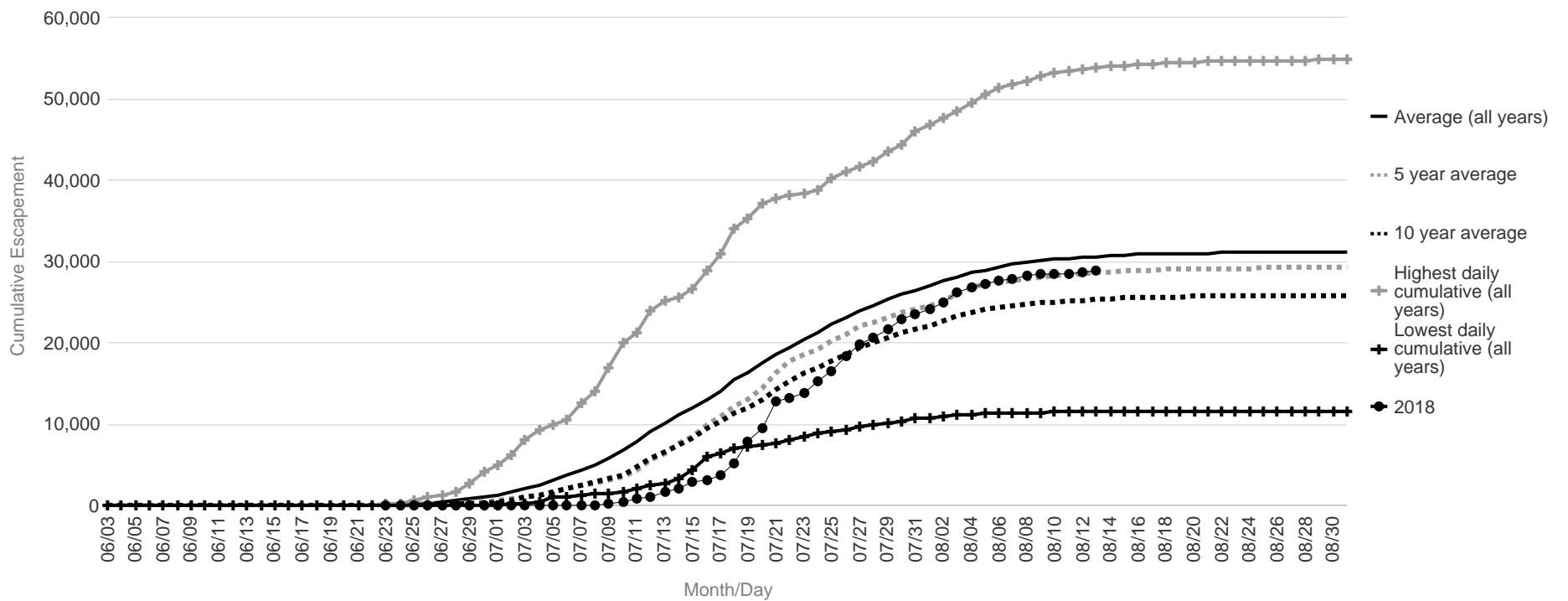
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	11,412	29,664	27,730	24,620	51,831	27,982
08/08	11,435	29,896	27,905	24,786	52,349	28,222
08/09	11,453	30,124	28,088	24,938	52,841	28,415
08/10	11,511	30,300	28,264	25,075	53,339	28,541
08/11	11,544	30,435	28,416	25,191	53,546	28,613
08/12	11,558	30,544	28,521	25,282	53,718	28,821
08/13	11,579	30,669	28,663	25,374	53,999	28,905
08/14	11,595	30,772	28,791	25,474	54,111	
08/15	11,604	30,845	28,891	25,548	54,166	
08/16	11,610	30,895	28,948	25,593	54,255	
08/17	11,620	30,943	28,996	25,635	54,379	
08/18	11,635	30,985	29,039	25,669	54,483	
08/19	11,644	31,017	29,078	25,701	54,546	
08/20	11,648	31,048	29,116	25,730	54,599	
08/21	11,650	31,076	29,156	25,759	54,643	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	11,691	31,227	29,409	25,926	54,913

Focused Two-Week Data View



Season Total Overview

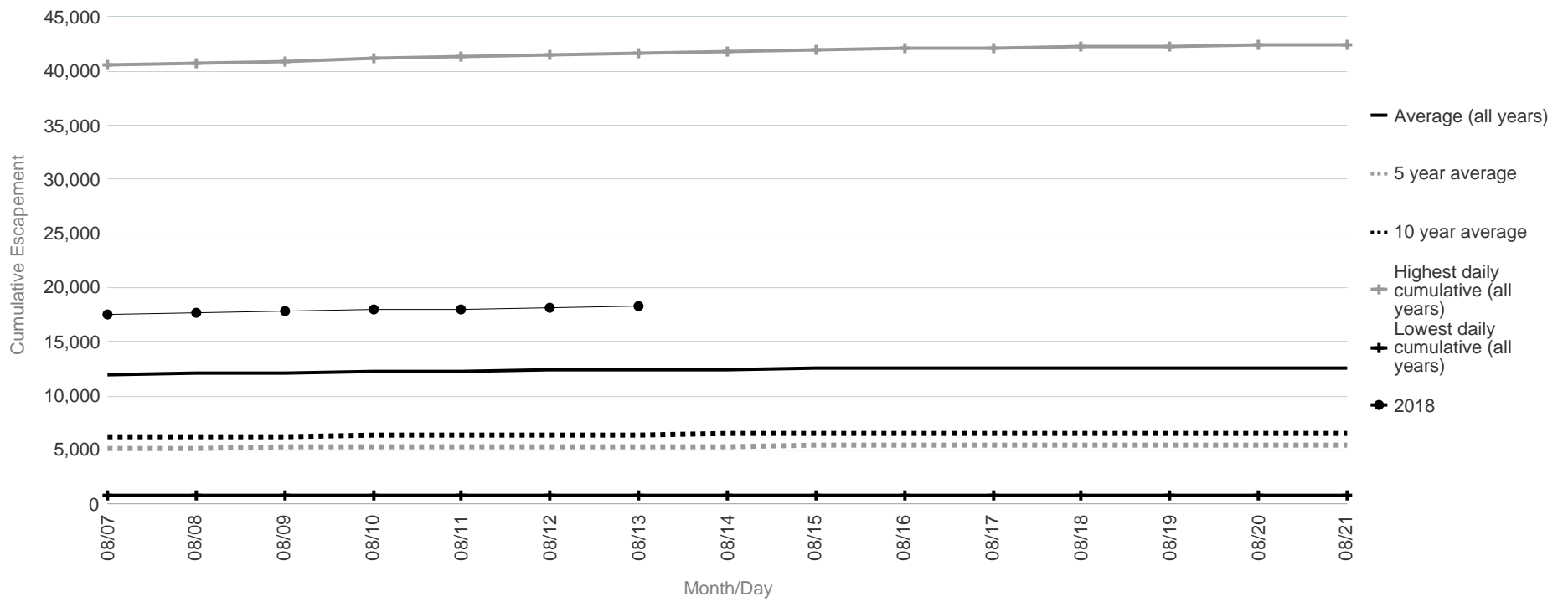


Salmon River (Aniak) Salmon Monitoring Project Passage of Chum Salmon

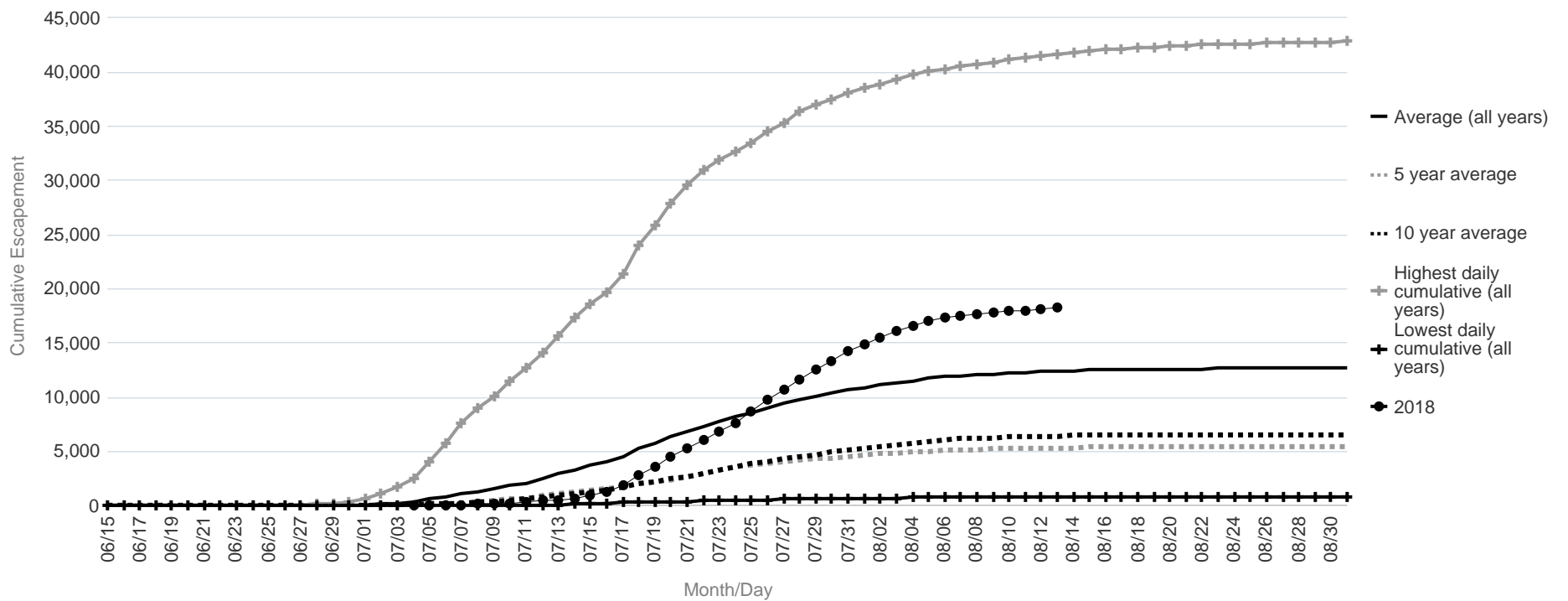
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	758	11,993	5,141	6,150	40,527	17,588
08/08	766	12,081	5,191	6,224	40,695	17,720
08/09	776	12,166	5,224	6,283	40,940	17,851
08/10	784	12,238	5,254	6,324	41,160	17,948
08/11	789	12,304	5,276	6,363	41,357	18,050
08/12	796	12,358	5,302	6,395	41,533	18,163
08/13	797	12,414	5,329	6,430	41,691	18,255
08/14	802	12,454	5,350	6,454	41,832	
08/15	805	12,491	5,369	6,479	41,958	
08/16	807	12,523	5,379	6,499	42,070	
08/17	809	12,552	5,393	6,517	42,170	
08/18	810	12,574	5,403	6,532	42,259	
08/19	811	12,593	5,411	6,543	42,339	
08/20	812	12,611	5,419	6,552	42,410	
08/21	813	12,627	5,425	6,559	42,473	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	816	12,697	5,452	6,587	42,825

Focused Two-Week Data View



Season Total Overview

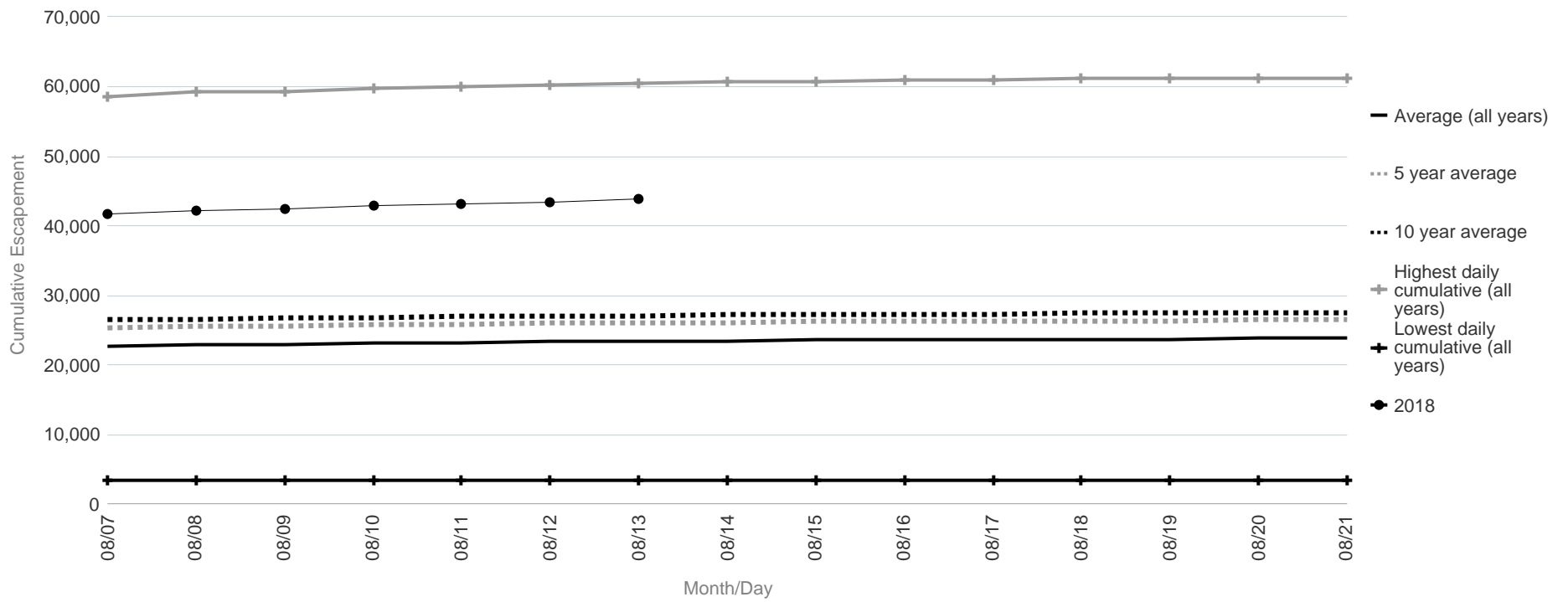


George River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

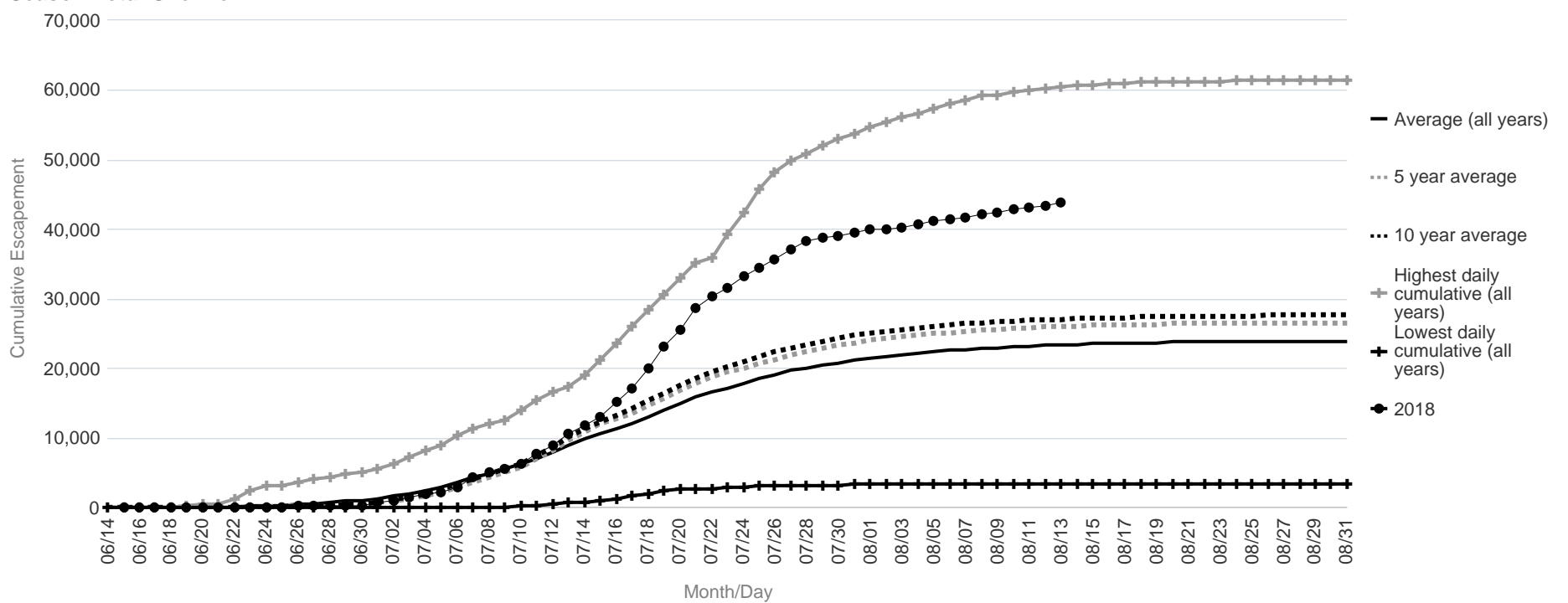
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	3,432	22,749	25,342	26,438	58,603	41,637
08/08	3,434	22,907	25,489	26,589	59,165	42,138
08/09	3,440	23,014	25,611	26,714	59,193	42,485
08/10	3,443	23,131	25,719	26,823	59,717	42,781
08/11	3,449	23,229	25,816	26,922	60,069	43,081
08/12	3,451	23,317	25,925	27,019	60,344	43,473
08/13	3,468	23,395	26,019	27,104	60,448	43,807
08/14	3,473	23,476	26,117	27,186	60,698	
08/15	3,475	23,541	26,207	27,259	60,783	
08/16	3,477	23,591	26,259	27,310	60,899	
08/17	3,479	23,641	26,307	27,360	60,991	
08/18	3,480	23,695	26,360	27,410	61,088	
08/19	3,483	23,735	26,390	27,448	61,155	
08/20	3,490	23,772	26,418	27,481	61,220	
08/21	3,494	23,801	26,440	27,505	61,245	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	3,507	24,023	26,688	27,702	61,531

Focused Two-Week Data View



Season Total Overview



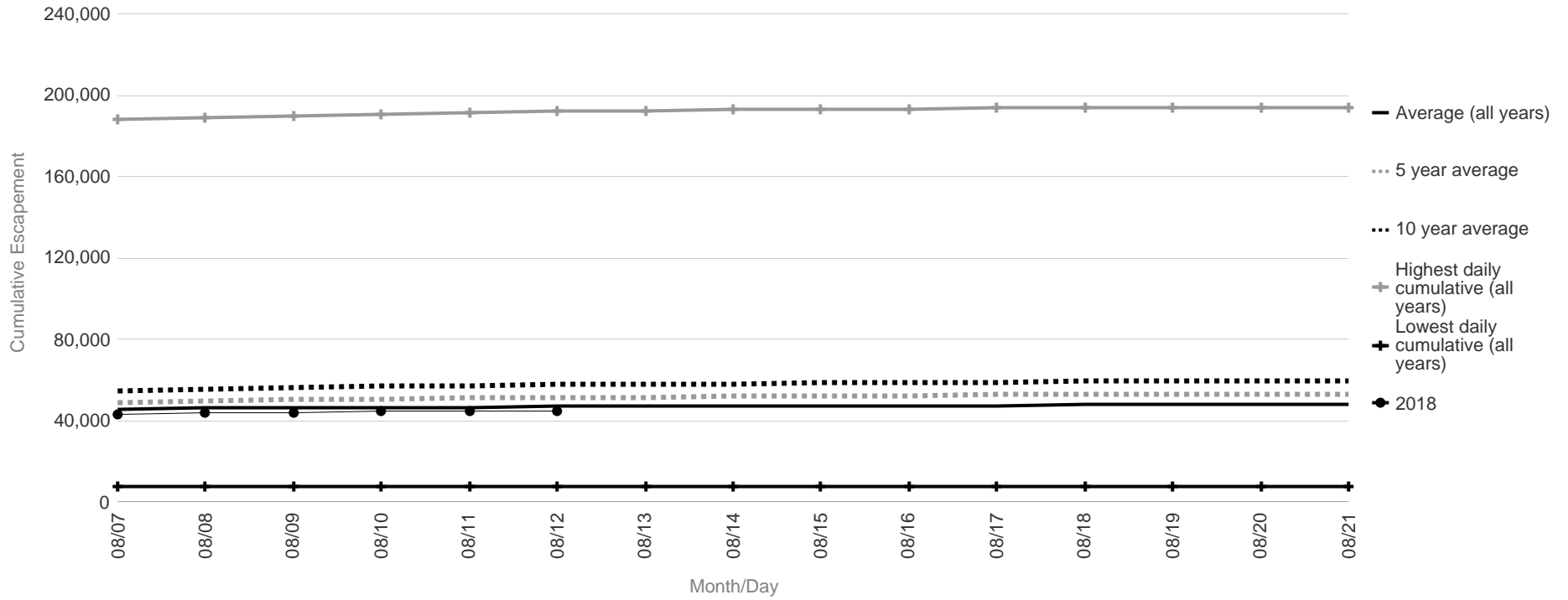
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

Escapement Goal Range: 15,000 to 49,000

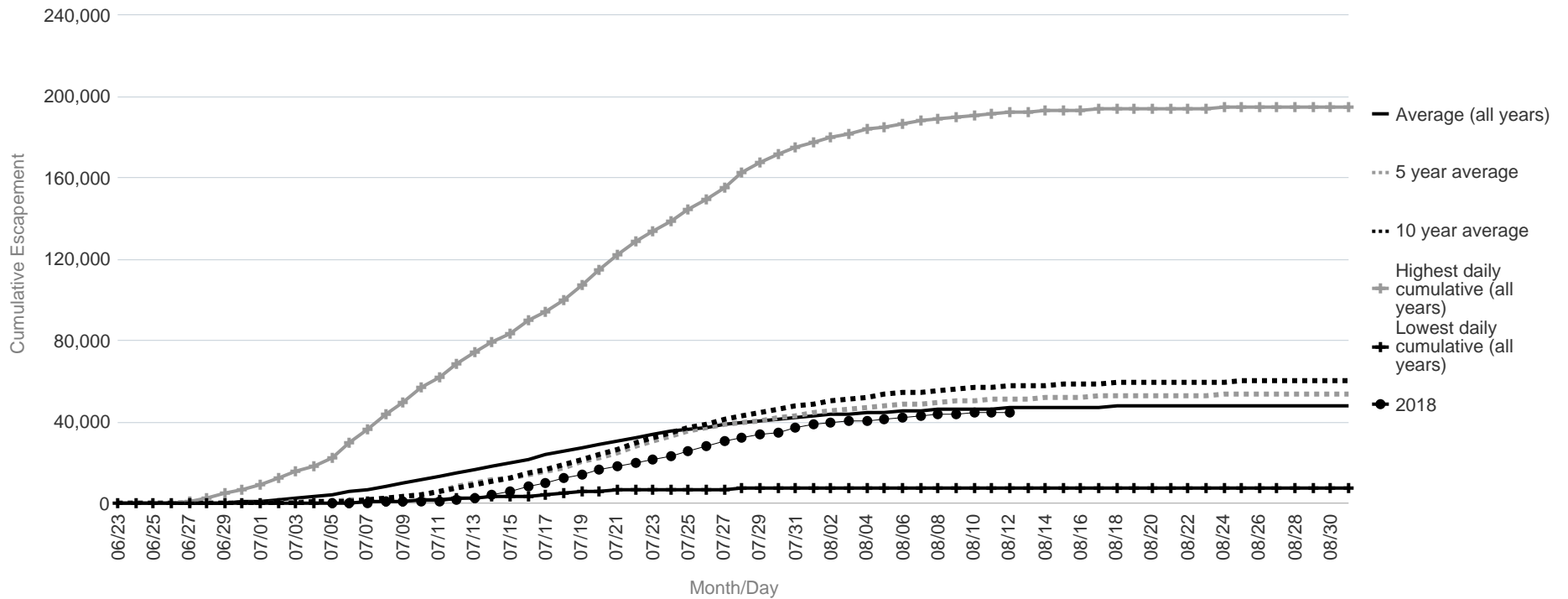
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	7,708	45,695	49,219	55,013	187,962	43,061
08/08	7,729	45,990	49,764	55,639	189,231	43,585
08/09	7,757	46,228	50,192	56,179	190,369	44,174
08/10	7,784	46,453	50,612	56,709	191,228	44,393
08/11	7,852	46,651	51,036	57,184	191,894	44,393
08/12	7,887	46,848	51,372	57,596	192,385	44,393
08/13	7,920	47,015	51,667	57,933	192,817	
08/14	7,927	47,168	51,970	58,268	193,159	
08/15	7,938	47,308	52,261	58,585	193,442	
08/16	7,953	47,430	52,504	58,852	193,646	
08/17	7,958	47,539	52,721	59,094	193,834	
08/18	7,960	47,633	52,887	59,298	193,995	
08/19	7,962	47,712	53,040	59,458	194,146	
08/20	7,966	47,783	53,173	59,599	194,258	
08/21	7,967	47,841	53,238	59,701	194,356	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	7,975	48,152	53,879	60,300	194,887

Focused Two-Week Data View



Season Total Overview

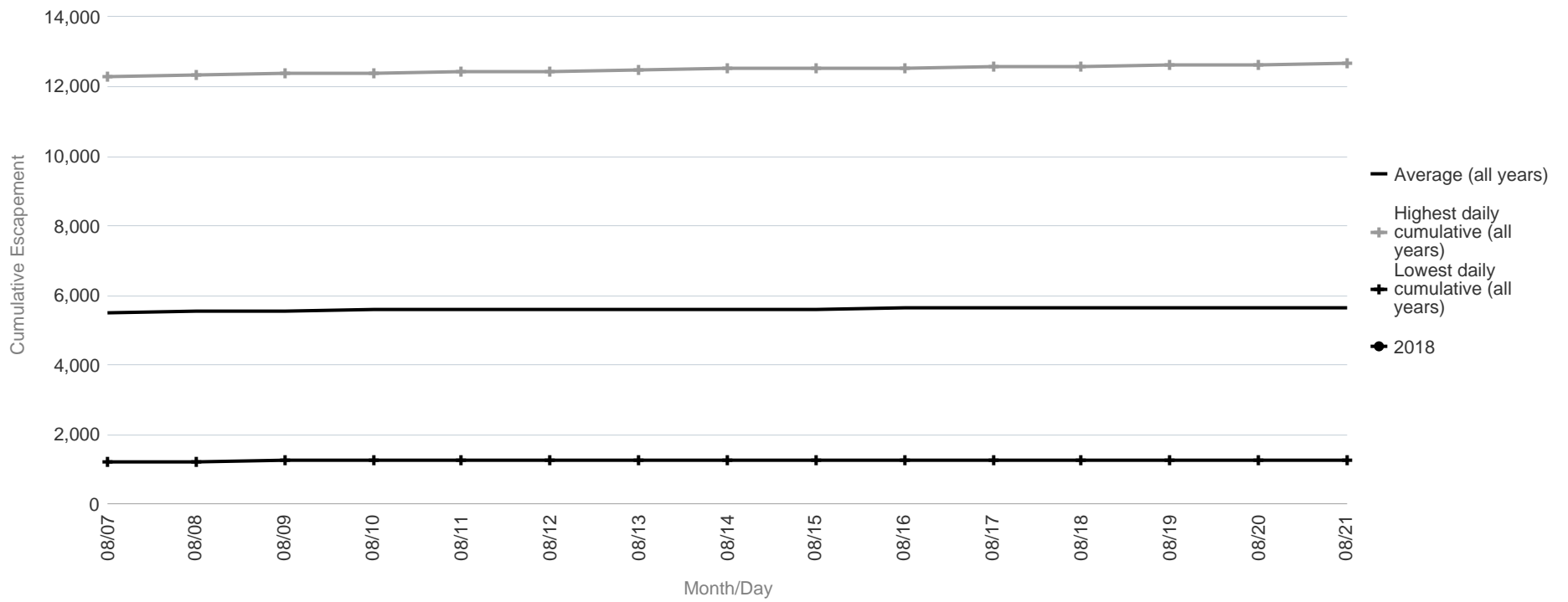


Takotna River Salmon Monitoring Project Passage of Chum Salmon

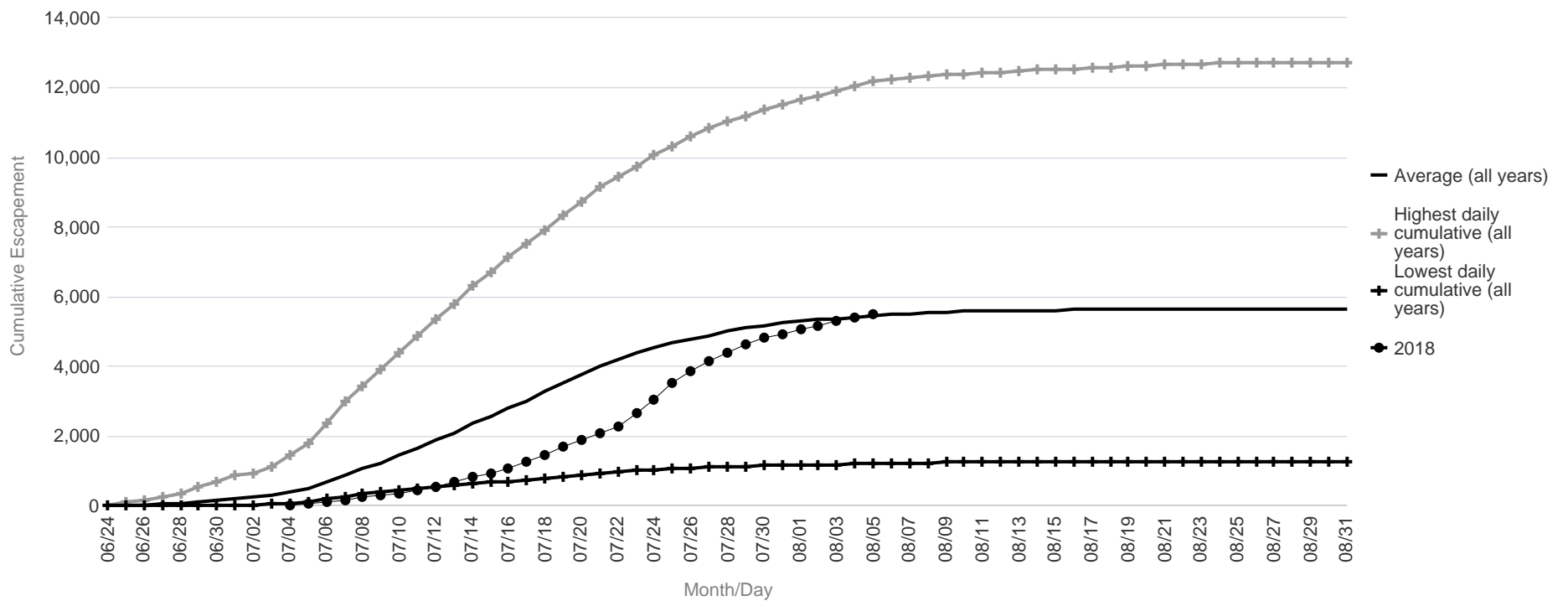
Date	Lowest daily cumulative (all years)	Average (all years)	Highest daily cumulative (all years)	2018
08/07	1,229	5,516	12,299	
08/08	1,234	5,541	12,353	
08/09	1,239	5,557	12,382	
08/10	1,249	5,570	12,407	
08/11	1,255	5,583	12,435	
08/12	1,261	5,593	12,451	
08/13	1,263	5,601	12,472	
08/14	1,263	5,609	12,506	
08/15	1,263	5,615	12,525	
08/16	1,263	5,620	12,547	
08/17	1,263	5,624	12,563	
08/18	1,263	5,628	12,573	
08/19	1,263	5,632	12,605	
08/20	1,264	5,636	12,635	
08/21	1,264	5,640	12,663	

	Lowest Count	Average Count	Highest Count
Season Total	1,265	5,655	12,729

Focused Two-Week Data View



Season Total Overview

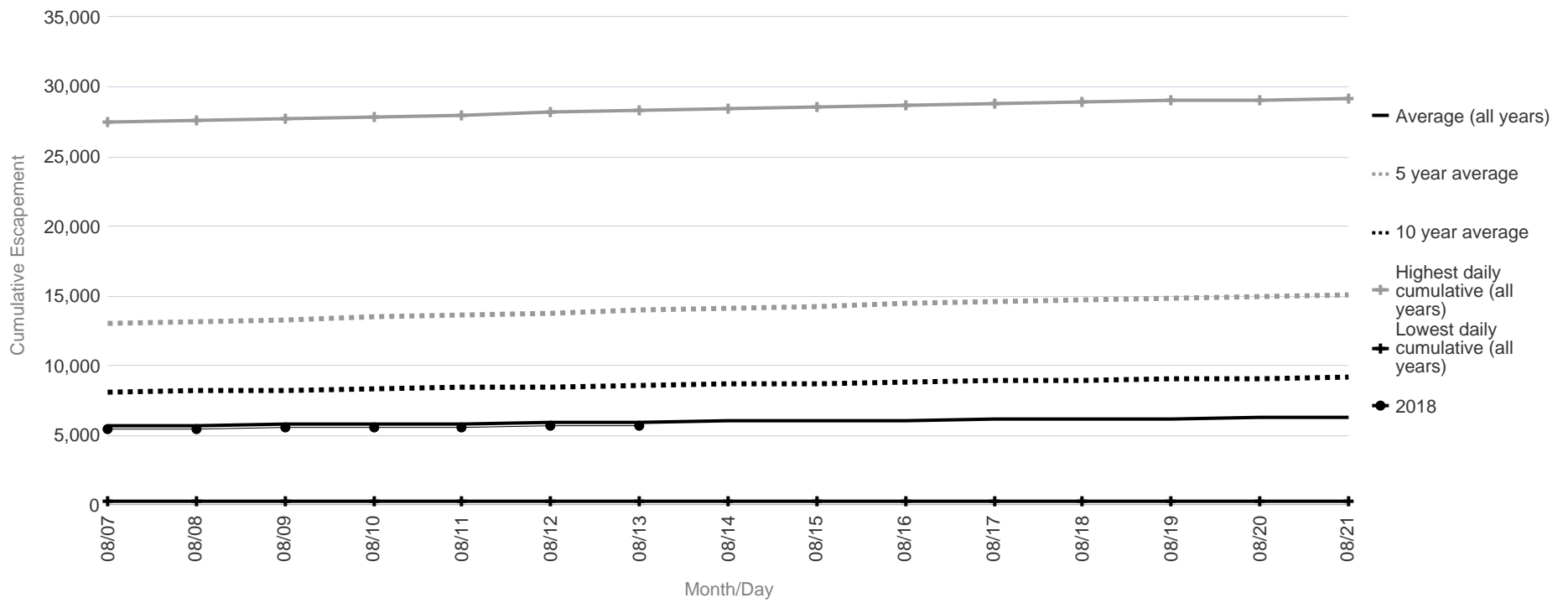


Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

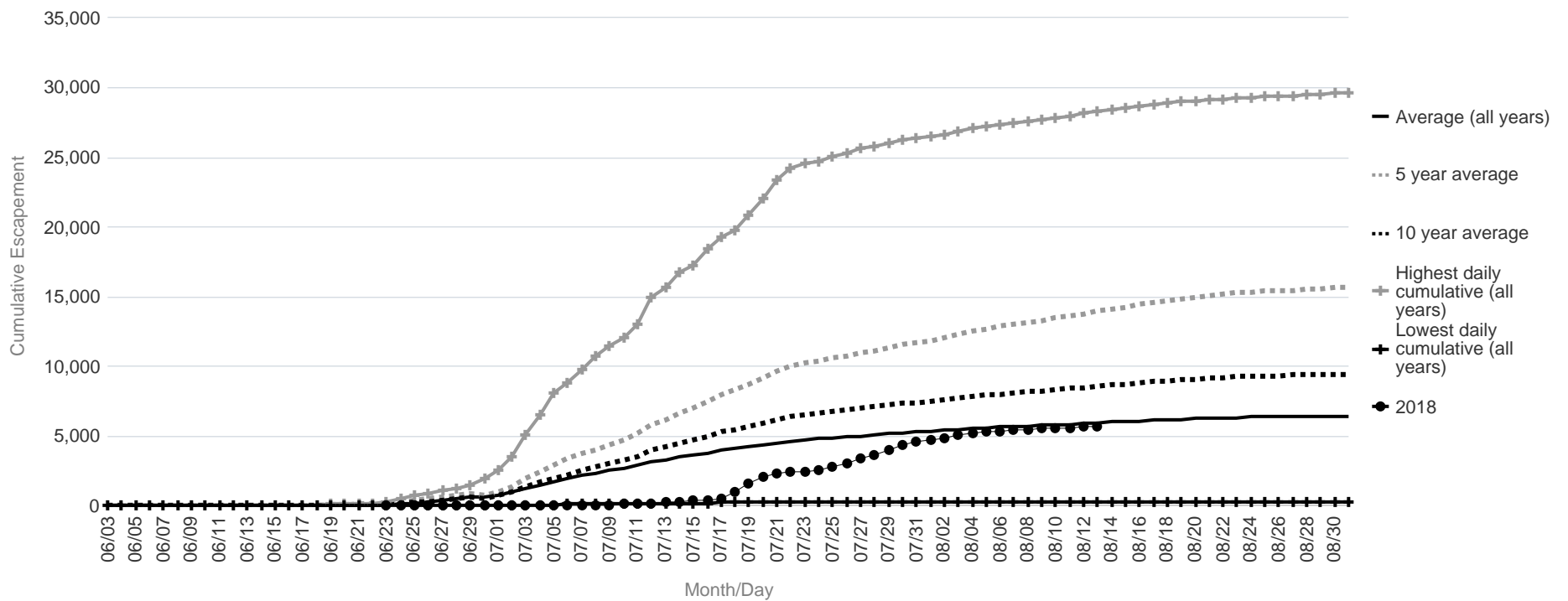
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	257	5,678	13,035	8,108	27,462	5,411
08/08	257	5,719	13,171	8,179	27,590	5,493
08/09	258	5,758	13,301	8,246	27,726	5,545
08/10	258	5,807	13,467	8,331	27,864	5,568
08/11	259	5,852	13,624	8,410	28,006	5,606
08/12	259	5,900	13,788	8,493	28,135	5,663
08/13	259	5,949	13,958	8,580	28,274	5,698
08/14	259	5,988	14,094	8,649	28,434	
08/15	259	6,030	14,243	8,725	28,587	
08/16	263	6,078	14,414	8,811	28,728	
08/17	263	6,118	14,559	8,884	28,835	
08/18	264	6,154	14,687	8,949	28,909	
08/19	264	6,192	14,824	9,018	28,989	
08/20	268	6,237	14,986	9,099	29,059	
08/21	268	6,266	15,088	9,151	29,119	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	272	6,475	15,824	9,524	29,938

Focused Two-Week Data View



Season Total Overview

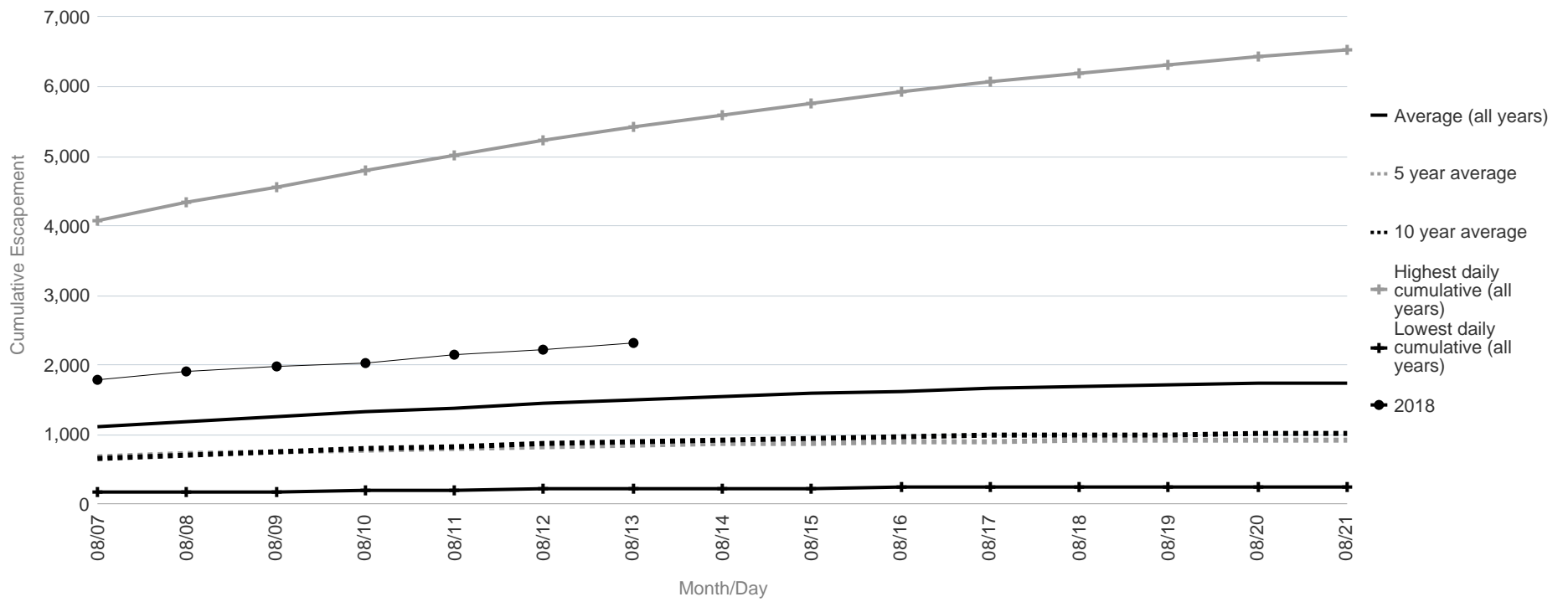


Salmon River (Aniak) Salmon Monitoring Project Passage of Sockeye Salmon

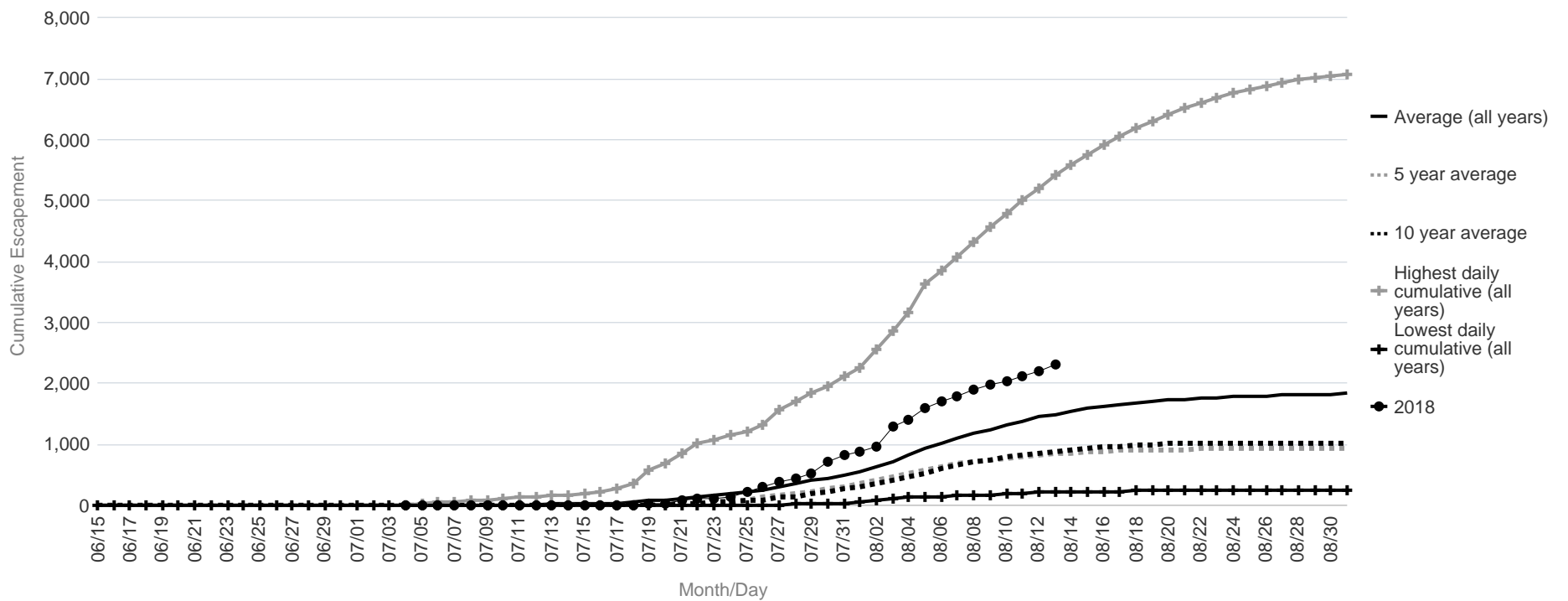
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	165	1,100	686	658	4,084	1,780
08/08	171	1,178	718	710	4,327	1,898
08/09	180	1,247	746	755	4,565	1,983
08/10	200	1,325	786	801	4,794	2,038
08/11	208	1,384	803	833	5,012	2,136
08/12	215	1,452	831	871	5,219	2,219
08/13	221	1,501	852	896	5,413	2,305
08/14	226	1,548	870	924	5,595	
08/15	230	1,589	882	946	5,764	
08/16	234	1,627	891	964	5,920	
08/17	237	1,659	901	981	6,064	
08/18	240	1,685	910	991	6,196	
08/19	242	1,710	916	1,002	6,317	
08/20	244	1,731	922	1,010	6,427	
08/21	245	1,748	926	1,016	6,526	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	253	1,836	946	1,036	7,086

Focused Two-Week Data View



Season Total Overview



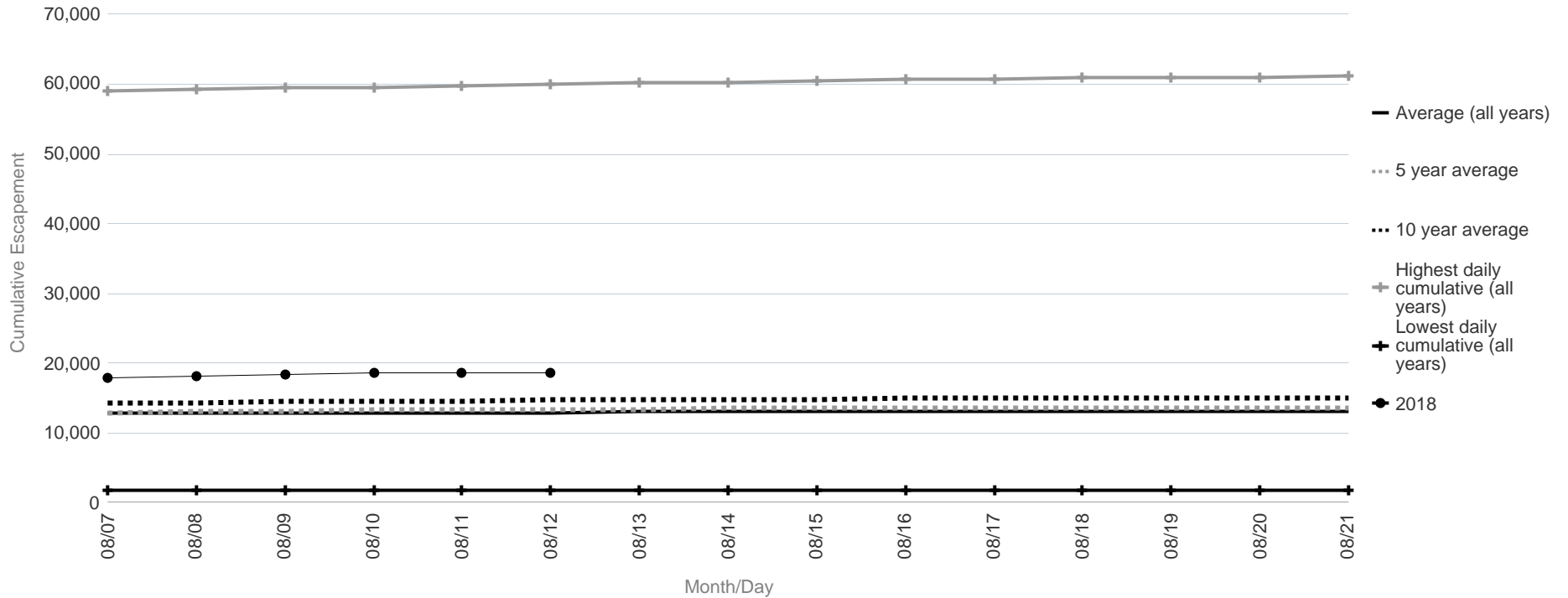
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

Escapement Goal Range: 4,400 to 17,000

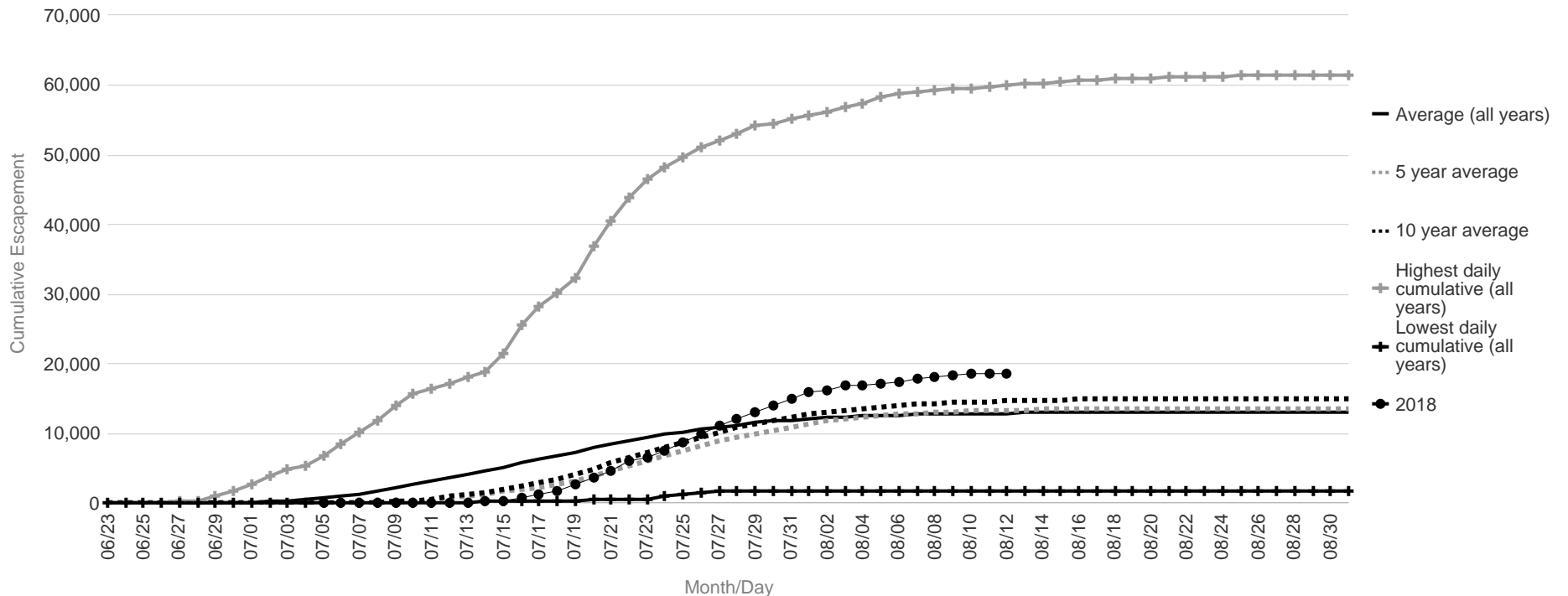
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	1,701	12,711	12,880	14,147	59,047	17,809
08/08	1,705	12,765	13,006	14,280	59,280	18,113
08/09	1,709	12,807	13,097	14,385	59,423	18,434
08/10	1,712	12,844	13,182	14,484	59,525	18,490
08/11	1,715	12,882	13,264	14,578	59,703	18,490
08/12	1,717	12,916	13,324	14,650	59,935	18,490
08/13	1,719	12,943	13,373	14,708	60,139	
08/14	1,721	12,967	13,413	14,762	60,319	
08/15	1,723	12,989	13,449	14,814	60,478	
08/16	1,724	13,007	13,478	14,858	60,618	
08/17	1,725	13,024	13,502	14,897	60,741	
08/18	1,726	13,037	13,519	14,928	60,849	
08/19	1,727	13,049	13,535	14,956	60,945	
08/20	1,728	13,059	13,552	14,979	61,029	
08/21	1,729	13,067	13,559	14,995	61,103	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	1,732	13,105	13,607	15,072	61,382

Focused Two-Week Data View



Season Total Overview

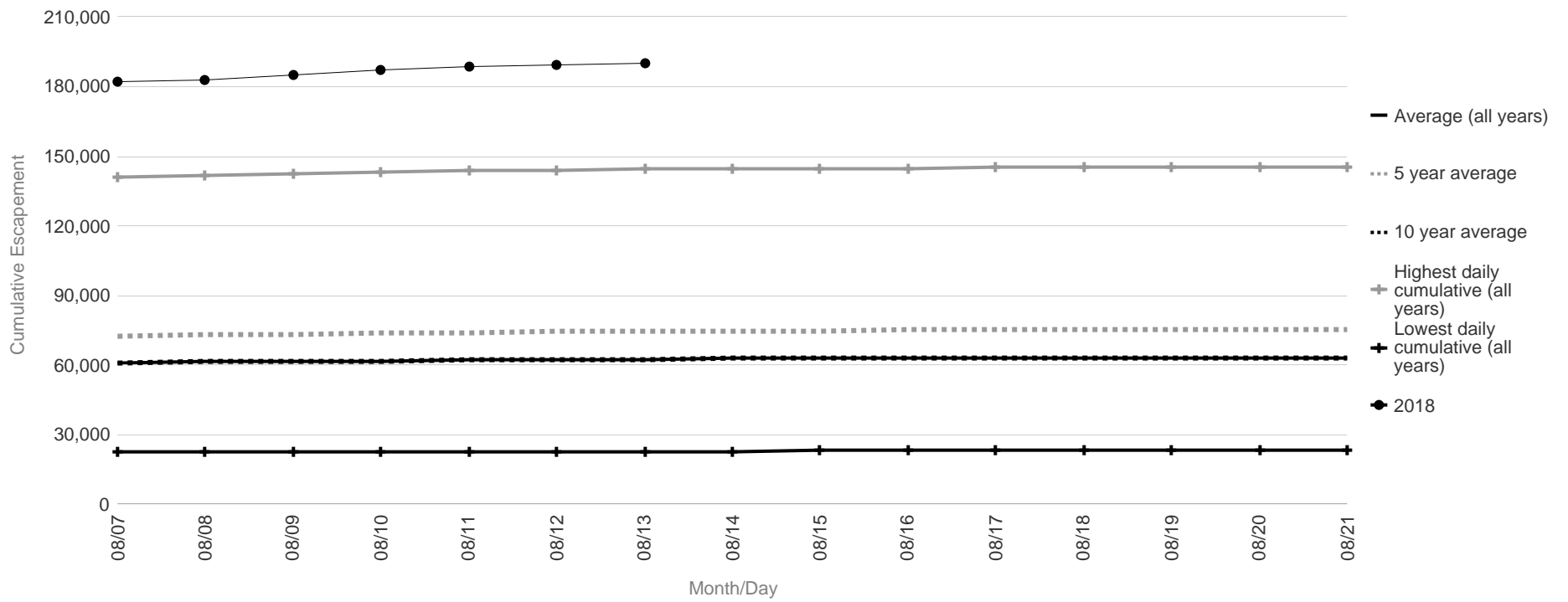


Telaquana River Salmon Monitoring Project Passage of Sockeye Salmon

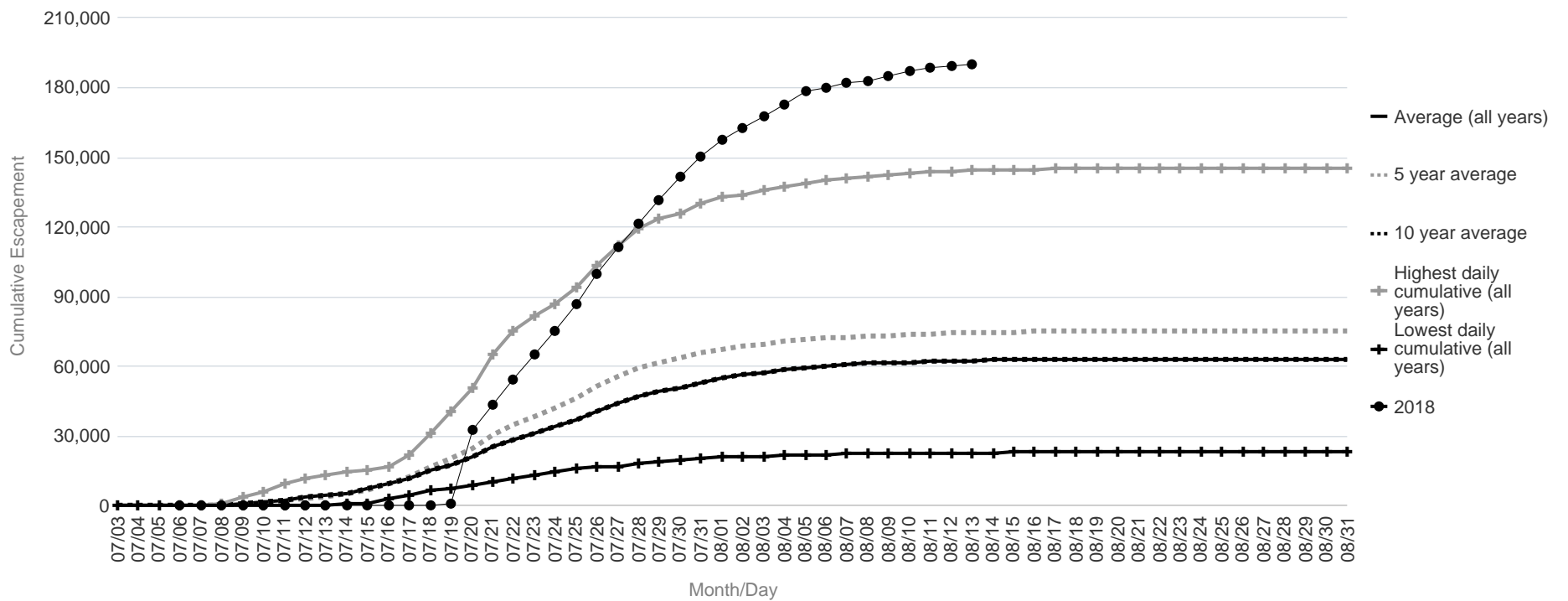
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	22,246	60,697	72,548	60,697	140,767	181,960
08/08	22,432	61,162	72,928	61,162	141,529	183,088
08/09	22,486	61,510	73,327	61,510	142,126	185,067
08/10	22,610	61,859	73,660	61,859	142,891	186,860
08/11	22,667	62,160	73,986	62,160	143,581	188,327
08/12	22,745	62,393	74,257	62,393	144,069	189,375
08/13	22,800	62,592	74,463	62,592	144,349	189,843
08/14	22,874	62,767	74,659	62,767	144,729	
08/15	22,883	62,880	74,789	62,880	144,849	
08/16	22,914	62,967	74,895	62,967	144,943	
08/17	22,922	63,028	74,957	63,028	145,017	
08/18	22,939	63,071	75,005	63,071	145,075	
08/19	22,947	63,110	75,044	63,110	145,121	
08/20	22,959	63,143	75,075	63,143	145,157	
08/21	22,966	63,165	75,099	63,165	145,185	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	23,005	63,233	75,164	63,233	145,257

Focused Two-Week Data View



Season Total Overview

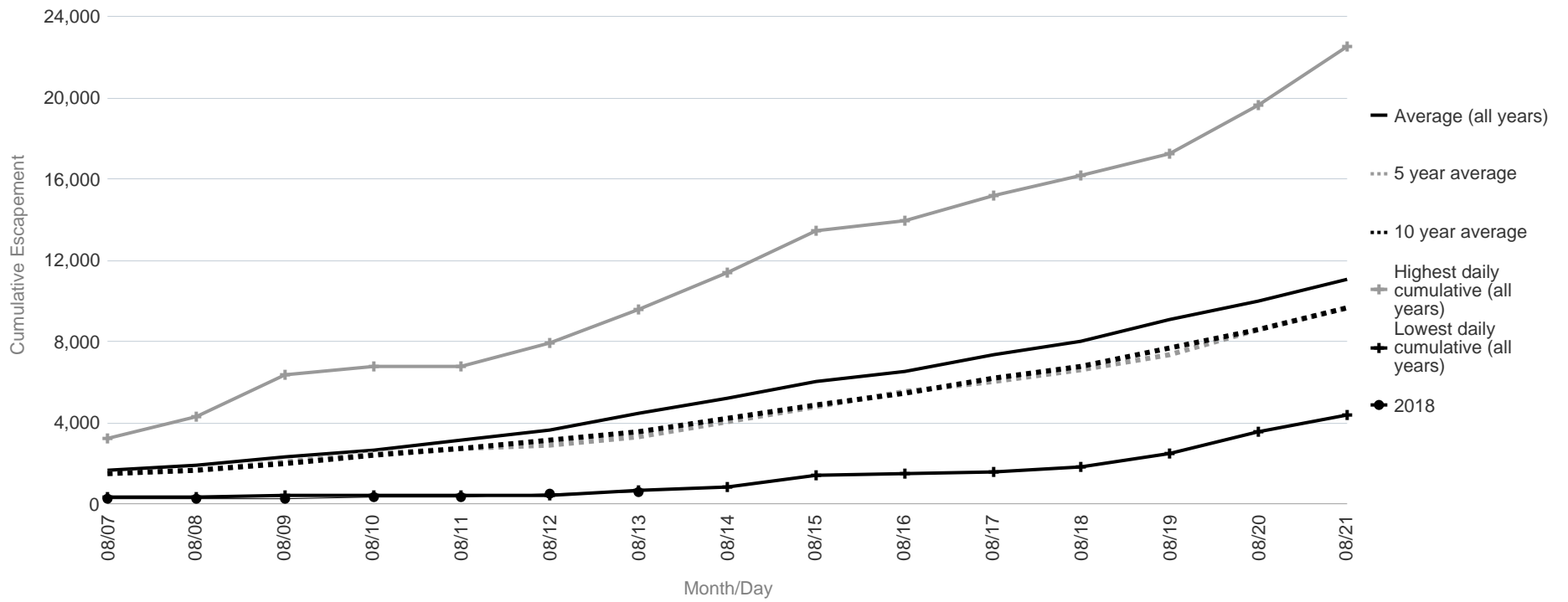


Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

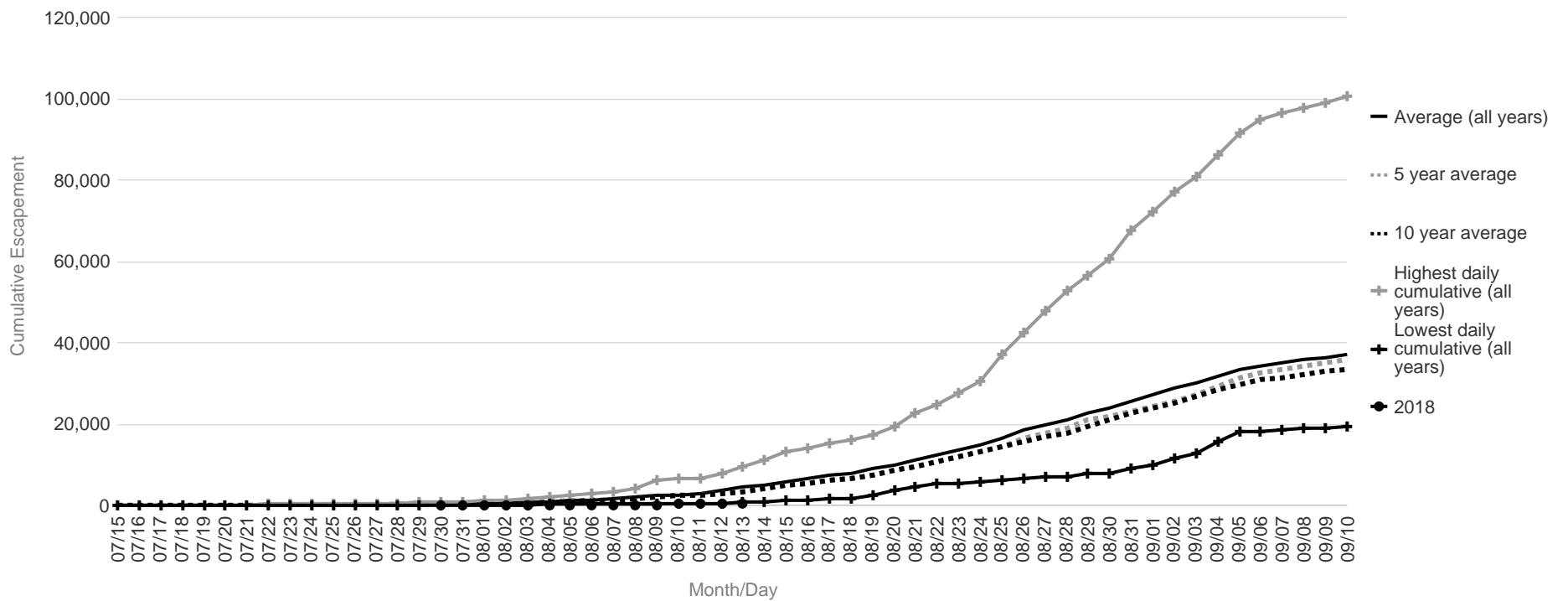
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	362	1,695	1,489	1,488	3,201	225
08/08	364	1,944	1,671	1,683	4,268	252
08/09	440	2,353	2,057	2,036	6,358	270
08/10	444	2,694	2,515	2,443	6,748	306
08/11	444	3,117	2,729	2,712	6,772	330
08/12	459	3,643	2,896	3,160	7,908	474
08/13	697	4,447	3,338	3,549	9,602	553
08/14	823	5,214	4,067	4,218	11,368	
08/15	1,425	6,024	4,840	4,922	13,482	
08/16	1,507	6,522	5,554	5,493	13,959	
08/17	1,604	7,374	6,056	6,243	15,178	
08/18	1,854	8,052	6,626	6,792	16,217	
08/19	2,483	9,061	7,372	7,657	17,257	
08/20	3,580	9,996	8,634	8,630	19,664	
08/21	4,425	11,096	9,694	9,664	22,589	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	19,473	37,858	35,939	33,516	107,789

Focused Two-Week Data View



Season Total Overview

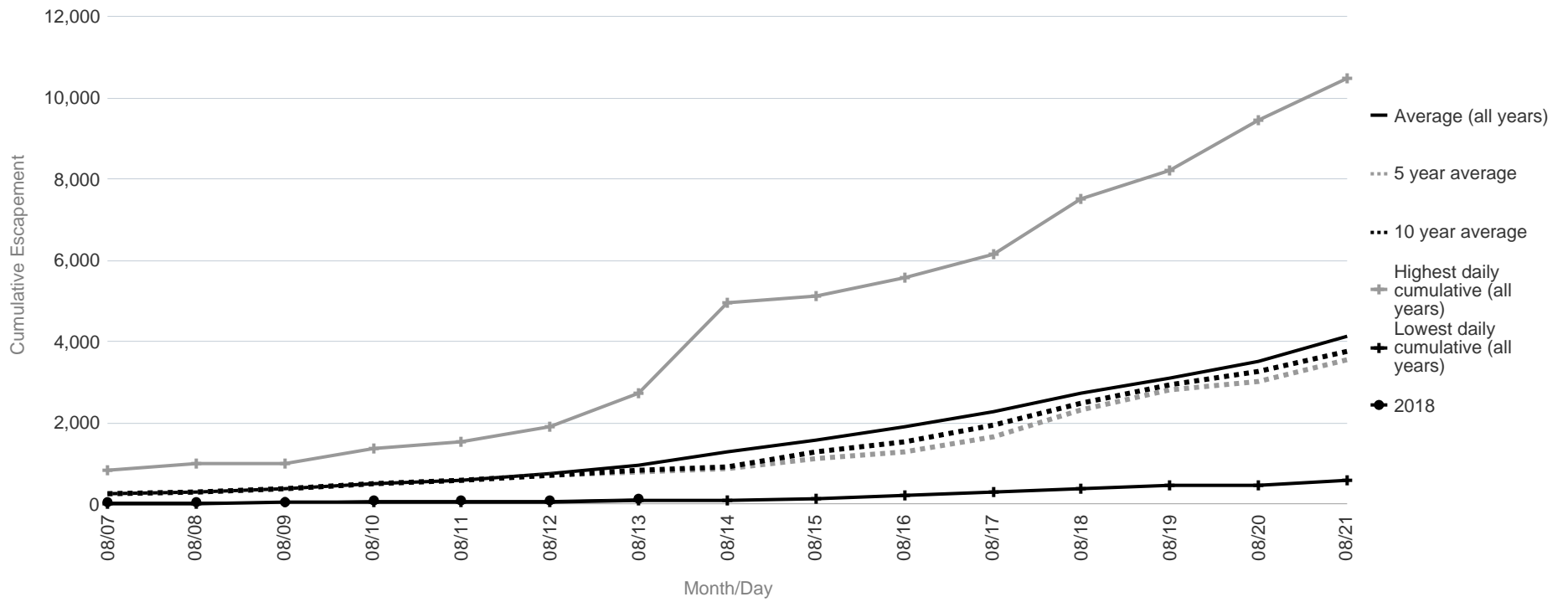


George River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

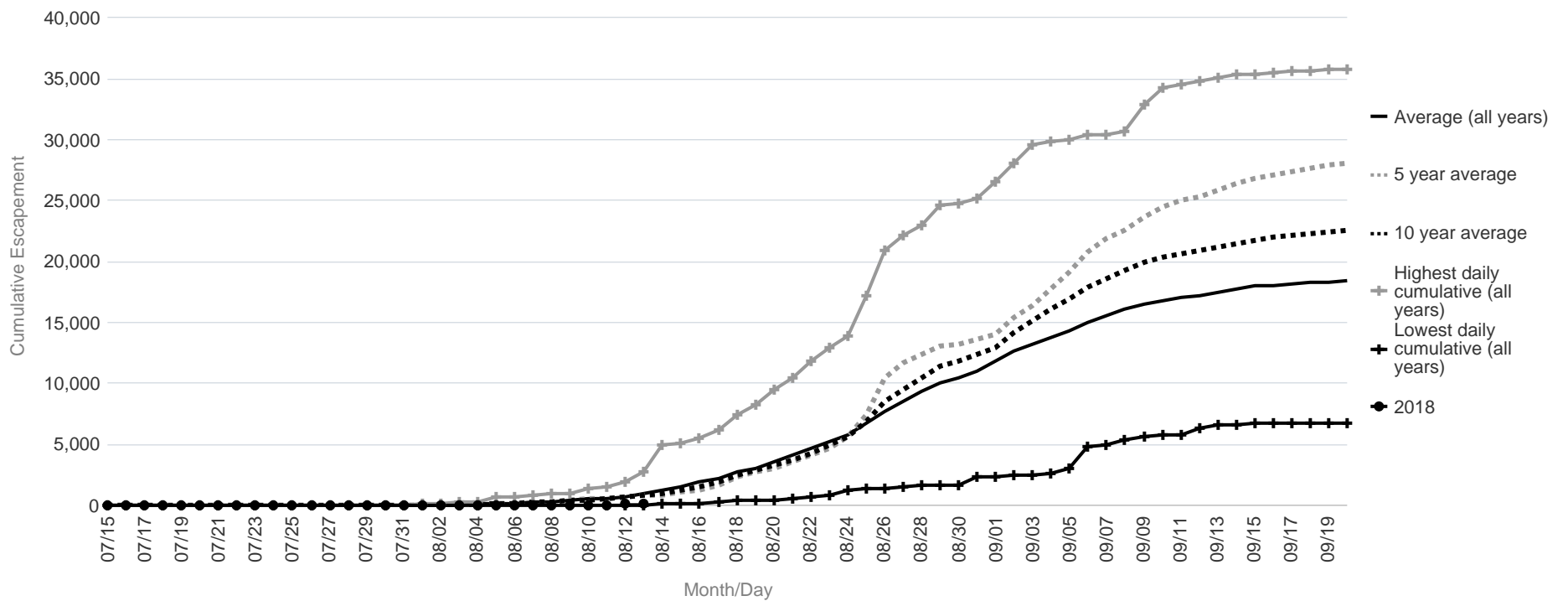
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	18	244	270	250	833	45
08/08	22	310	305	300	987	61
08/09	28	388	385	377	1,016	66
08/10	33	514	506	484	1,356	72
08/11	40	603	591	591	1,542	76
08/12	53	748	724	697	1,923	102
08/13	76	948	784	813	2,726	125
08/14	108	1,284	865	926	4,945	
08/15	141	1,589	1,134	1,267	5,141	
08/16	211	1,892	1,304	1,532	5,562	
08/17	305	2,267	1,639	1,960	6,155	
08/18	381	2,746	2,324	2,496	7,518	
08/19	455	3,113	2,800	2,951	8,215	
08/20	476	3,532	3,012	3,261	9,456	
08/21	582	4,154	3,551	3,774	10,491	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	6,759	18,461	28,069	22,548	35,812

Focused Two-Week Data View



Season Total Overview



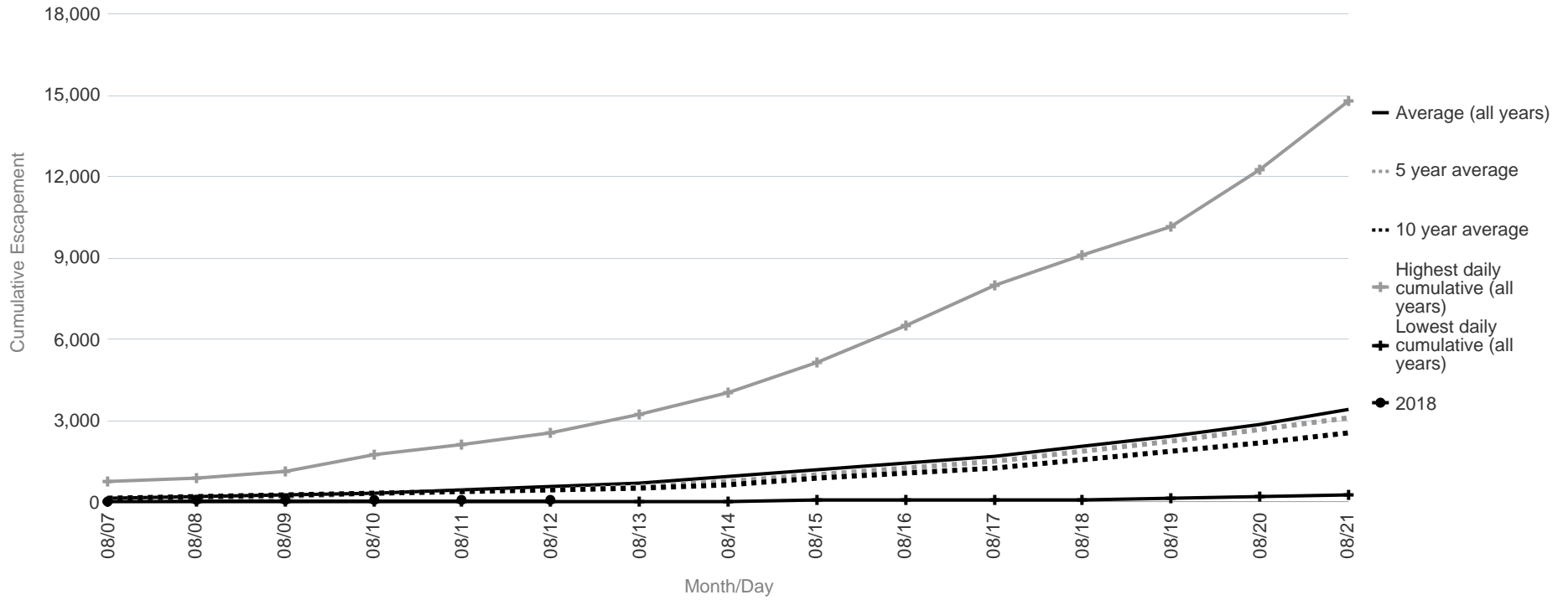
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

Escapement Goal Range: 13,000 to 28,000

Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/07	0	158	134	136	732	38
08/08	0	201	158	175	872	50
08/09	0	262	216	229	1,117	62
08/10	0	349	301	299	1,723	64
08/11	0	425	386	368	2,086	64
08/12	1	569	416	435	2,574	64
08/13	16	715	554	510	3,211	
08/14	28	916	765	653	4,018	
08/15	43	1,164	979	850	5,141	
08/16	48	1,426	1,253	1,068	6,525	
08/17	59	1,692	1,524	1,276	7,998	
08/18	81	2,046	1,874	1,538	9,105	
08/19	125	2,420	2,238	1,856	10,140	
08/20	206	2,857	2,656	2,185	12,282	
08/21	238	3,406	3,124	2,566	14,792	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	3,446	23,645	35,558	26,014	74,915

Focused Two-Week Data View



Season Total Overview

