

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: 08/22/2018

Time: 10:00 a.m.

Place: Bethel

Time Called to Order:

Chair: Alissa Rogers

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:

- Board of Fish update – *Jen Peeks, ADF&G*
- Kuskokwim Area Comprehensive Salmon Plan update – *Barb Carlson*

NEW BUSINESS:

- Consideration of appointing Albert Kawagley to the *Member at Large* seat as an alternate. – *Alissa Rogers*

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**.

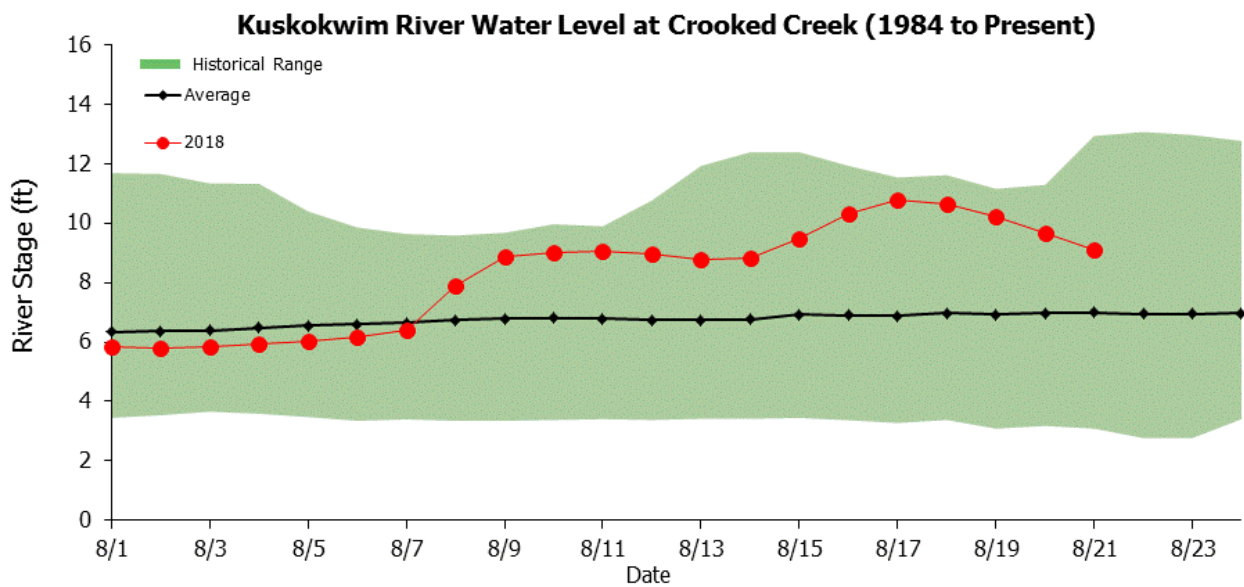
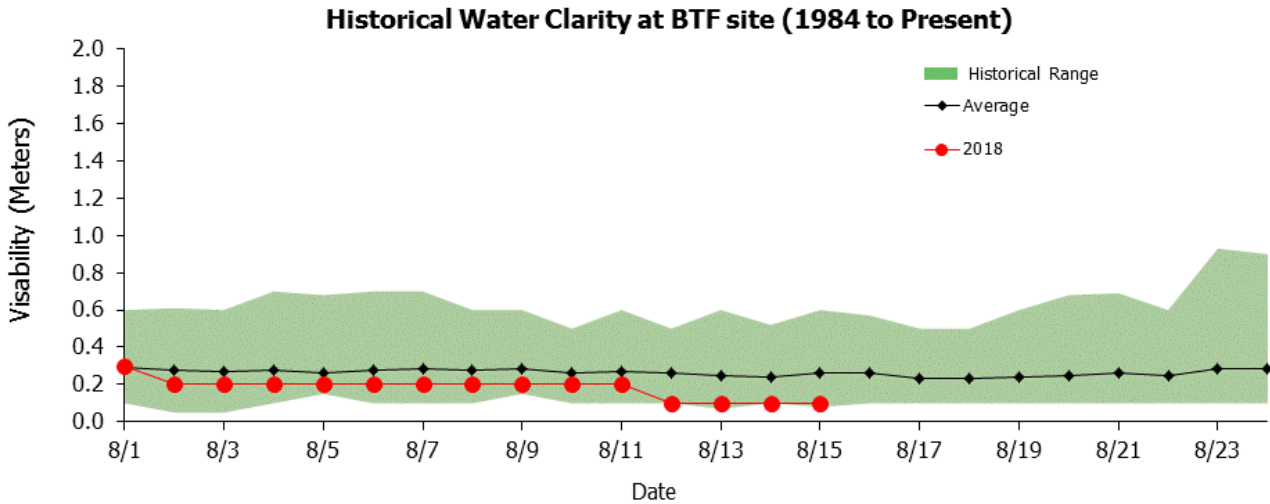
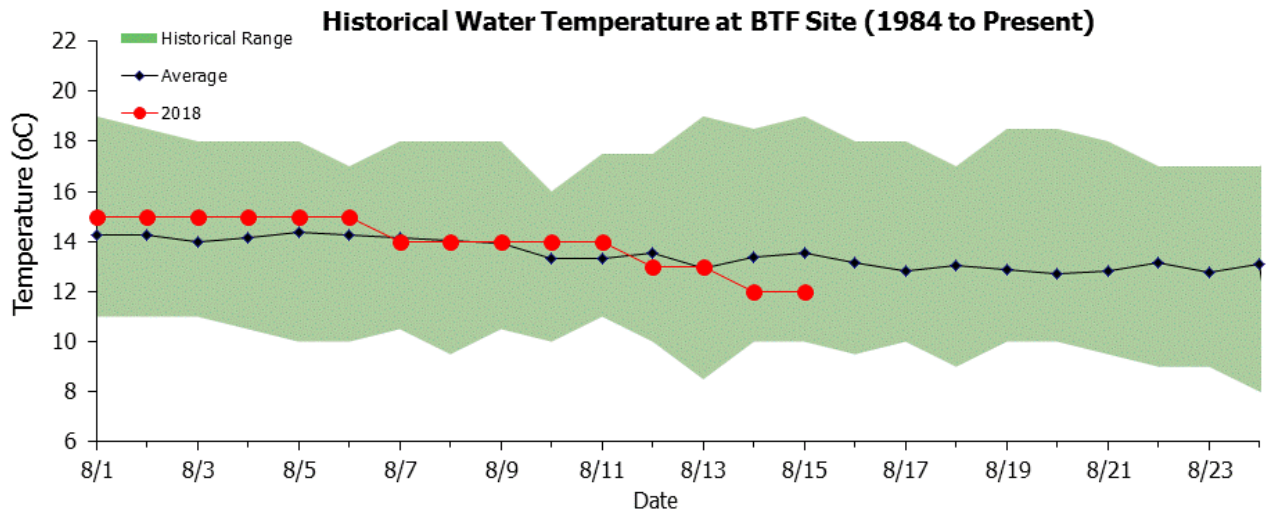
Ask Questions: ADF&G staff will be happy to answer biology and management questions. Please call **1-855-933-2433** to reach ADF&G Kuskokwim Area staff.

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

8/16/2018



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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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:

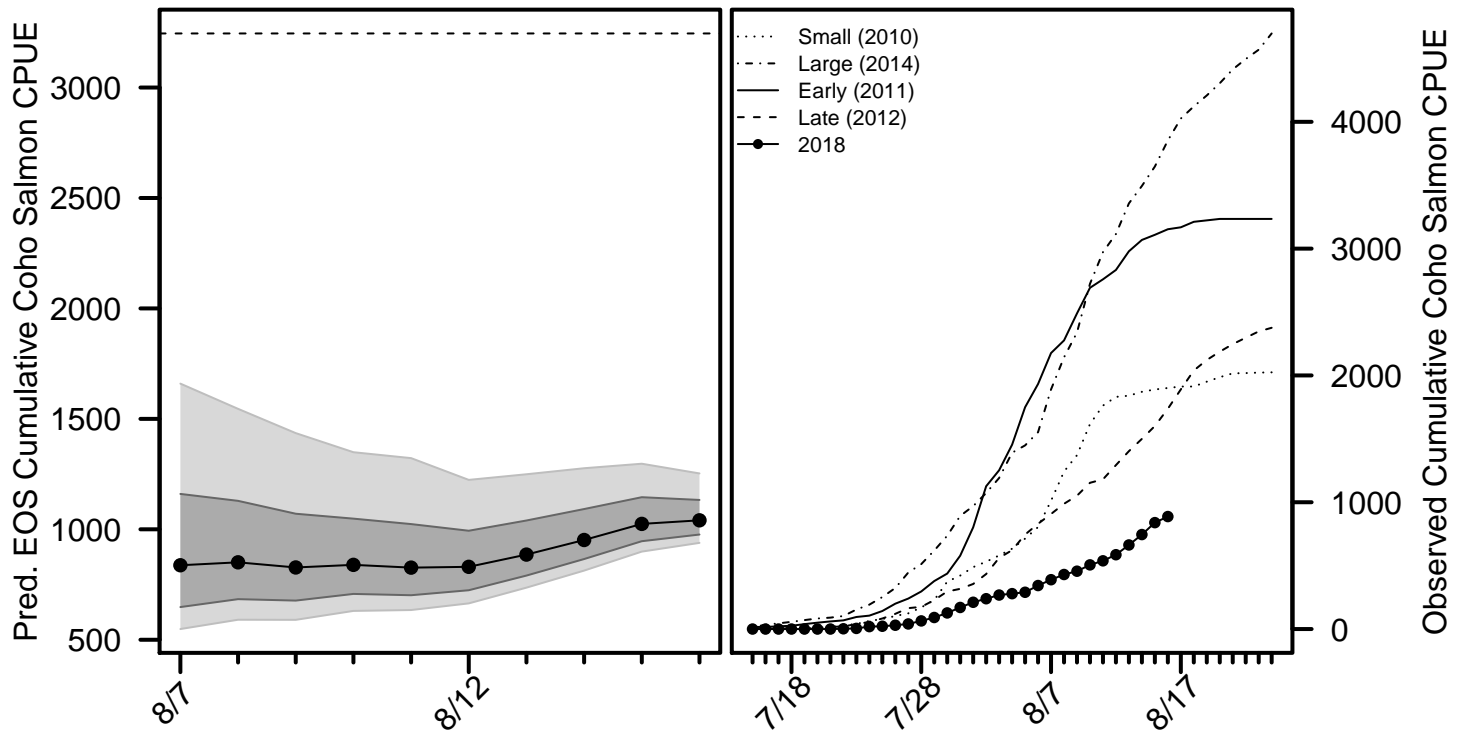
- **USFWS:** https://www.fws.gov/refuge/yukon_delta/wildlife_and_habitat/dailyupdate.html
- **ADF&G:** <http://www.adfg.alaska.gov/index.cfm?adfg=cfnews.main>

Informational Packet

Coho Salmon BTF Summary (8/16)

- The BTF daily CPUE was **48**.
- The BTF cumulative CPUE is now **887**.
- **0%** years since 2008 fell below this cumulative CPUE on this date.
- **85%** of the run is complete based on historical average run timing.
- **78% - 91%** of the run is complete based the central 50% of all historical run timing scenarios.
- **7% - 16%** of the run is expected to pass Bethel in the next 5 days.
- Over the last 3 days, coho salmon made up **92%** 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.



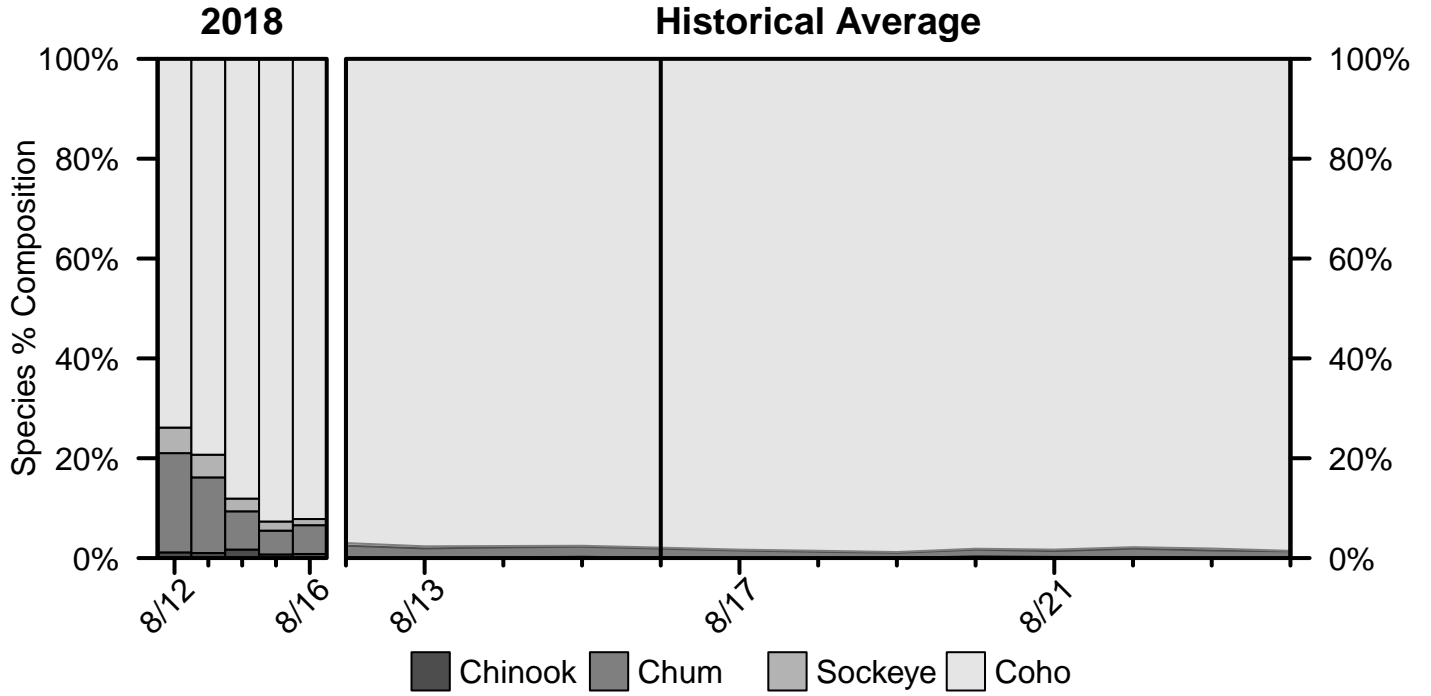
For more detailed information, see the [coho salmon appendix](#) at the end of this document.

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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: **665**).
- If the run ended on 8/16, 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.
8/13	663	371	687	625	650	519	538
8/14	665	371	687	625	650	519	538
8/15	665	373	687	625	650	519	538
8/16	665	373	687	625	650	519	538
EOS		374	687	625	650	519	538

Chum Salmon Summary

- The BTF daily CPUE was **6** (cumulative: **8,207**).
- If the run ended on 8/16, 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.
8/13	8,193	6,757	3,871	2,921	6,327	5,111	6,503
8/14	8,199	6,757	3,874	2,926	6,329	5,114	6,507
8/15	8,201	6,757	3,876	2,928	6,332	5,116	6,508
8/16	8,207	6,757	3,882	2,930	6,332	5,117	6,511
EOS		6,785	3,894	2,943	6,343	5,135	6,525

Sockeye Salmon Summary

- The BTF daily CPUE was **0** (cumulative: **2,274**).
- If the run ended on 8/16, 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.
8/13	2,271	2,683	2,429	2,148	1,363	1,954	1,706
8/14	2,272	2,685	2,434	2,148	1,365	1,955	1,706
8/15	2,274	2,686	2,439	2,148	1,365	1,957	1,707
8/16	2,274	2,686	2,449	2,150	1,365	1,959	1,708
EOS		2,690	2,463	2,157	1,367	1,965	1,711

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Coho Salmon Appendix

Coho Salmon Table A1. Cumulative CPUE from the BTF.

Date	2018	2017	2016	2015	2014	5-Yr Avg.	2008 - 2017 Avg.
8/13	663	1,817	1,672	1,666	3,357	2,115	2,446
8/14	745	1,934	1,828	1,732	3,494	2,235	2,559
8/15	839	1,976	1,991	1,837	3,648	2,333	2,654
8/16	887	2,112	2,266	2,055	3,853	2,520	2,799
8/17		2,216	2,450	2,214	4,026	2,665	2,922
8/18		2,415	2,655	2,303	4,121	2,801	3,032
8/19		2,598	2,770	2,375	4,208	2,915	3,121
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	8/16 Cumulative %
Earliest	7/29	97%
Early 10%	8/4	95%
Early 25%	8/6	91%
Median	8/8	85%
Late 25%	8/11	78%
Late 10%	8/13	70%
Latest	8/15	61%

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ADF&G • Boards Support Section

www.boards.adfg.state.ak.us

ALASKA BOARD OF FISHERIES 2018/2019 Cycle Tentative Meeting Schedule

Pacific Cod; Bristol Bay Finfish; Arctic, Yukon, and Kuskokwim Finfish; Alaska Peninsula, Aleutian Island, and Chignik Finfish; Statewide Finfish and Supplemental Issues

PROPOSAL DEADLINE: Tuesday, April 10, 2018

Meeting Dates	Topics	Location	Comment Deadline
October 15-16, 2018 [2 days]	Work Session ACRs, cycle organization, Stocks of Concern	Anchorage Egan Center	Oct. 3, 2018
October 17, 2018 [1 day]	Joint Protocol Committee meeting	Anchorage Egan Center	n/a
October 18-19, 2018 [2 days]	Pacific Cod Meeting	Anchorage Egan Center	Oct. 3, 2018
November 28- December 4, 2018 [7 days]	Bristol Bay Finfish	Dillingham Dillingham Middle School	Nov. 14, 2018
January 15-19, 2019 [5 days]	Arctic / Yukon / Kuskokwim Finfish	Anchorage Sheraton Hotel	Jan. 2, 2019
February 21-27, 2019 [7 days]	Alaska Peninsula / Aleutian Island / Chignik Finfish	Anchorage Sheraton Hotel	Feb. 7, 2019
March 8-11, 2019 [4 days]	Statewide Finfish and Supplemental Issues	Anchorage Sheraton Hotel	Feb. 20, 2019

Total Meeting Days: 27

Agenda Change Request Deadline: August 15, 2018 [60 days prior to fall worksession]

The Joint Board of Fisheries and Game is also meeting in the 2018/2019 cycle.

PROPOSAL DEADLINE: Tuesday, May 1, 2018

Meeting Dates	Topics	Location	Comment Deadline
March 21-25, 2019 [4 days]	Advisory Committees and Process for Adopting Regulations	Anchorage TBD	March 7, 2019

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>

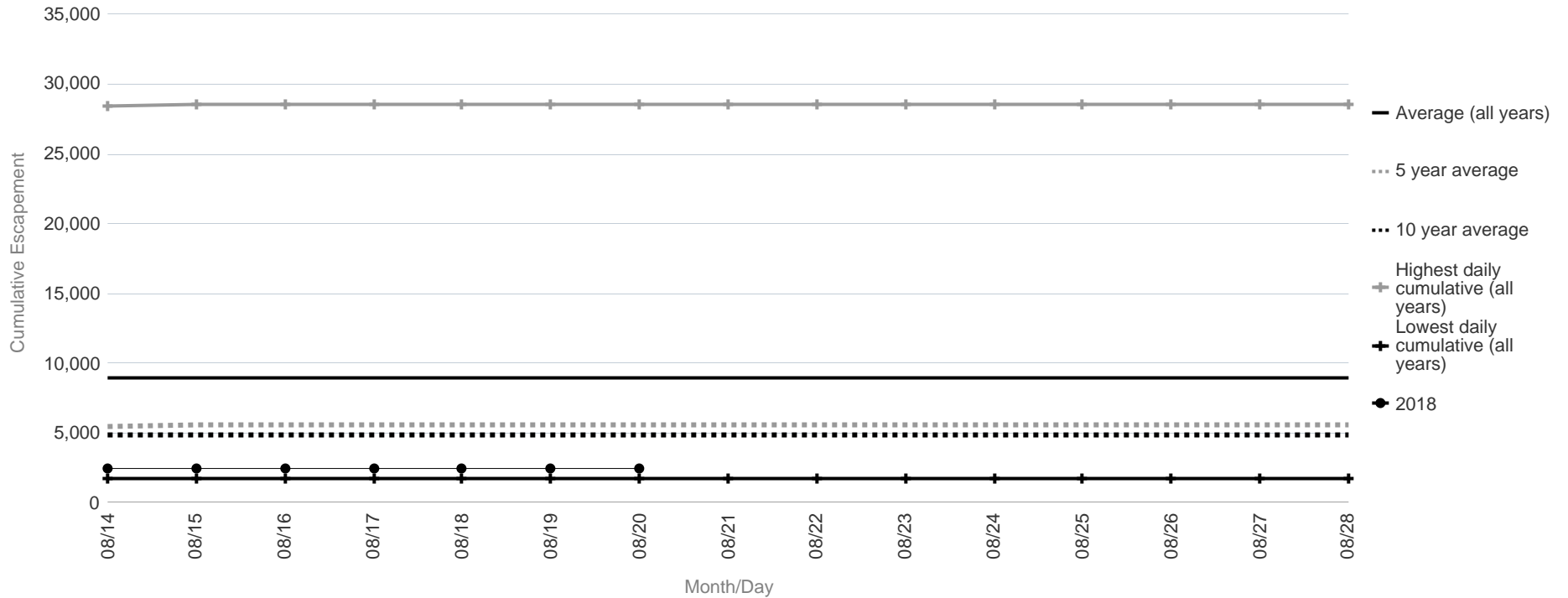
Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 4,100 to 7,500

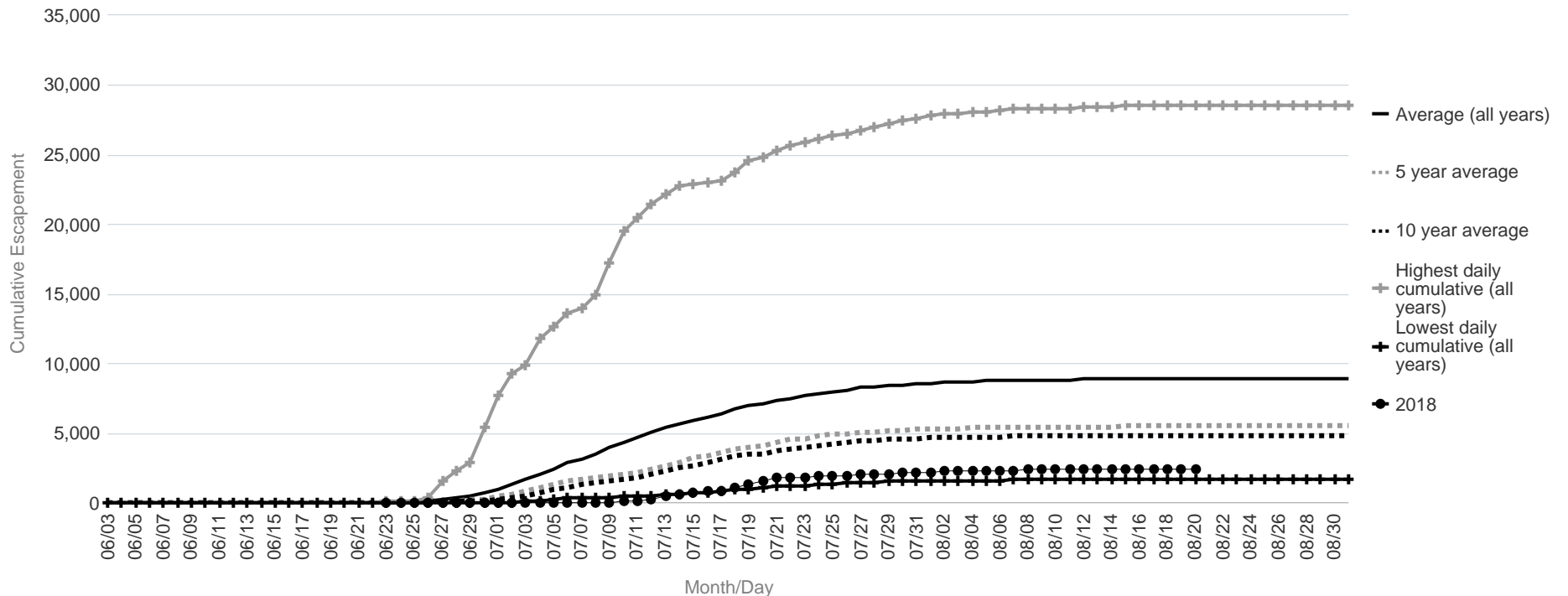
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	1,666	8,904	5,496	4,835	28,483	2,424
08/15	1,667	8,910	5,503	4,839	28,495	2,424
08/16	1,667	8,916	5,509	4,843	28,503	2,424
08/17	1,667	8,922	5,516	4,847	28,524	2,426
08/18	1,667	8,927	5,520	4,850	28,540	2,426
08/19	1,667	8,933	5,526	4,854	28,557	2,427
08/20	1,667	8,937	5,533	4,857	28,564	2,428
08/21	1,667	8,940	5,538	4,860	28,573	
08/22	1,668	8,943	5,543	4,864	28,579	
08/23	1,668	8,947	5,552	4,868	28,585	
08/24	1,668	8,950	5,558	4,872	28,587	
08/25	1,668	8,952	5,562	4,874	28,589	
08/26	1,669	8,954	5,565	4,876	28,592	
08/27	1,669	8,955	5,566	4,878	28,593	
08/28	1,669	8,956	5,568	4,879	28,596	

	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

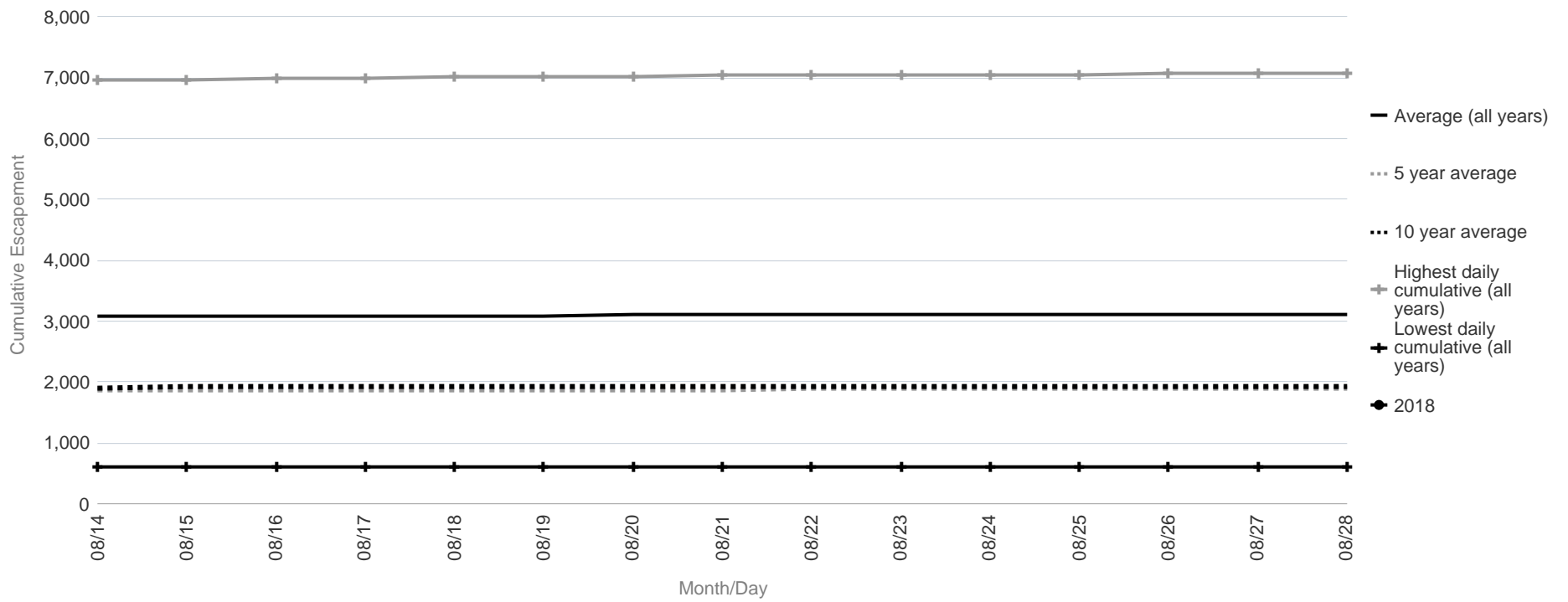


Salmon River (Aniak) Salmon Monitoring Project Passage of Chinook Salmon

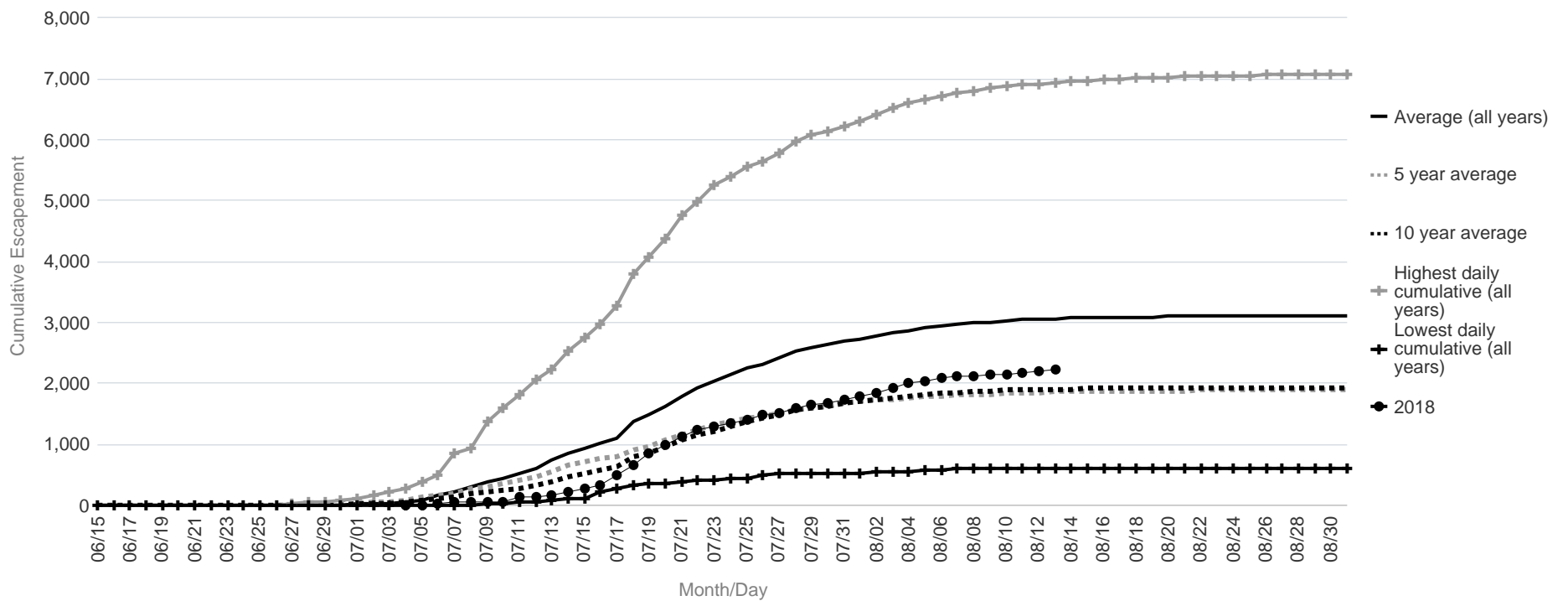
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	619	3,077	1,873	1,917	6,964	
08/15	620	3,084	1,878	1,921	6,980	
08/16	620	3,089	1,881	1,923	6,994	
08/17	620	3,093	1,883	1,926	7,006	
08/18	621	3,097	1,885	1,927	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	
08/22	621	3,108	1,891	1,932	7,047	
08/23	621	3,109	1,892	1,932	7,052	
08/24	622	3,111	1,893	1,933	7,056	
08/25	622	3,113	1,893	1,934	7,060	
08/26	622	3,114	1,894	1,934	7,063	
08/27	622	3,115	1,894	1,935	7,066	
08/28	622	3,116	1,895	1,935	7,069	

	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



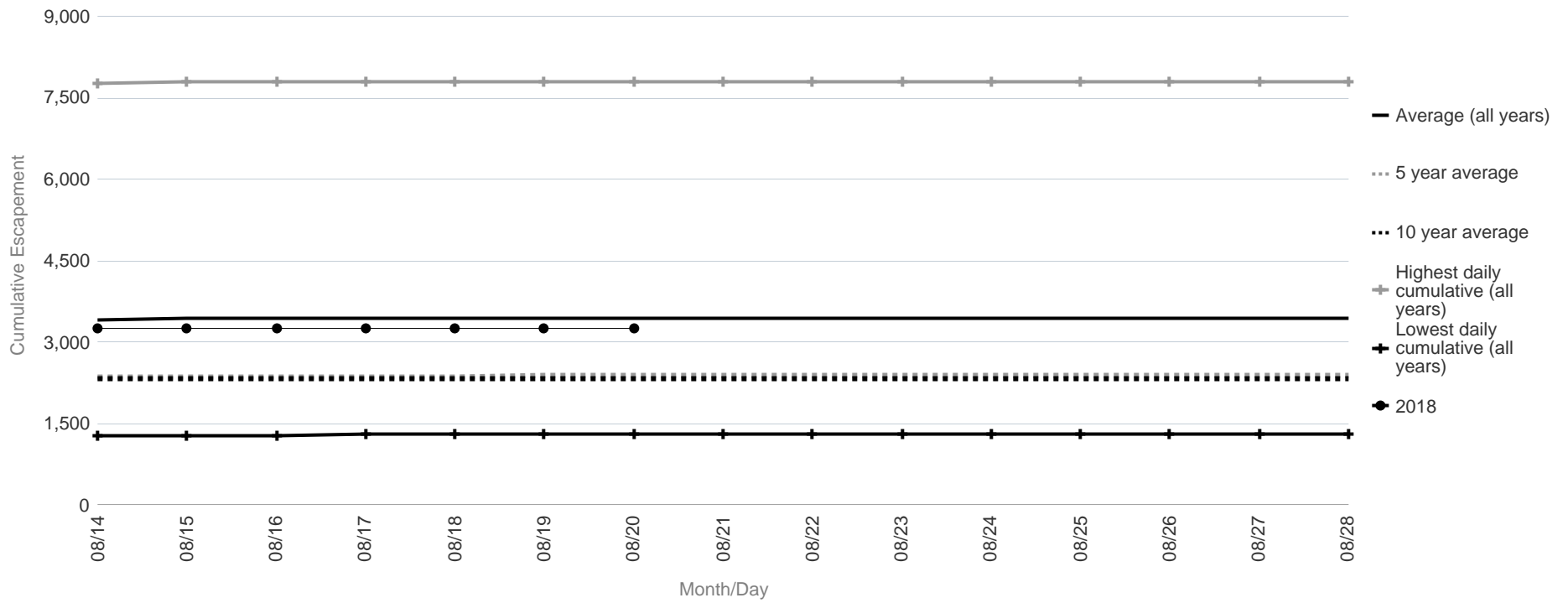
George River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 1,800 to 3,300

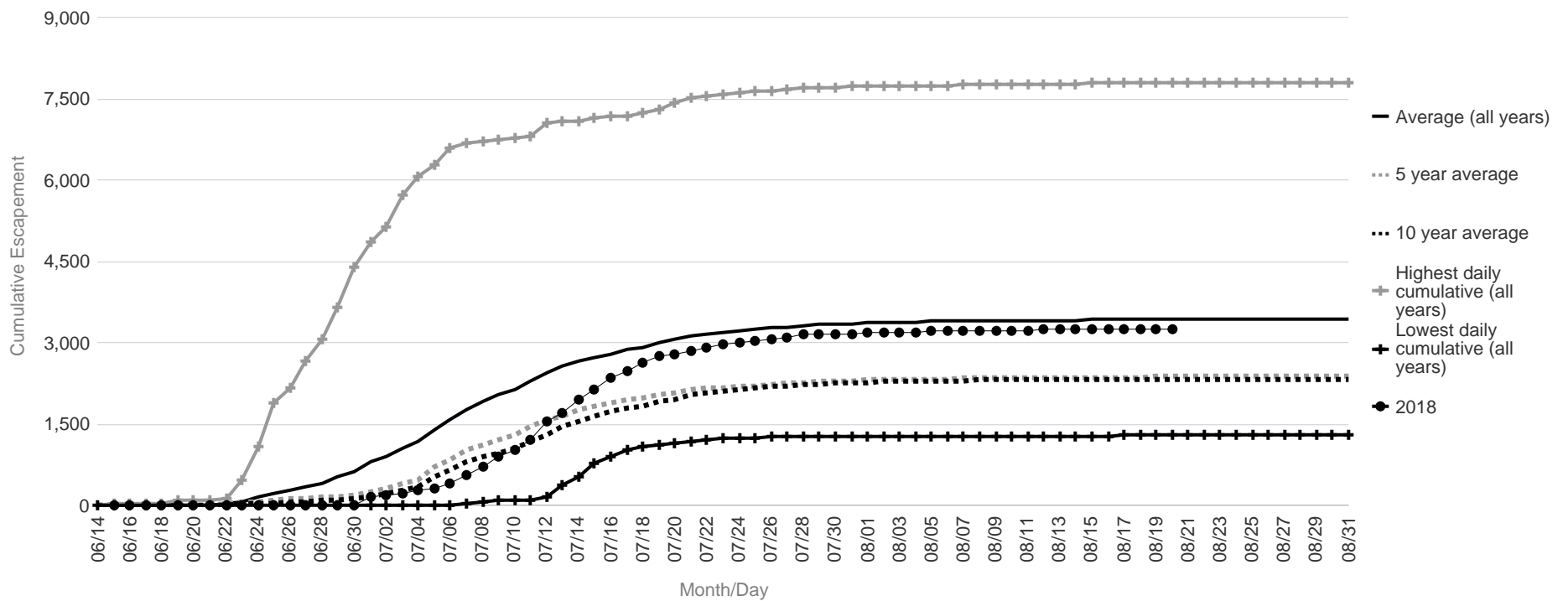
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	1,288	3,425	2,365	2,327	7,790	3,248
08/15	1,288	3,427	2,368	2,329	7,794	3,248
08/16	1,288	3,429	2,369	2,330	7,802	3,249
08/17	1,290	3,431	2,371	2,331	7,803	3,252
08/18	1,290	3,432	2,372	2,332	7,804	3,259
08/19	1,290	3,433	2,375	2,333	7,804	3,260
08/20	1,290	3,434	2,375	2,334	7,807	3,261
08/21	1,291	3,434	2,377	2,335	7,809	
08/22	1,291	3,435	2,377	2,335	7,810	
08/23	1,292	3,435	2,378	2,335	7,810	
08/24	1,292	3,436	2,379	2,336	7,810	
08/25	1,292	3,436	2,379	2,336	7,810	
08/26	1,292	3,437	2,380	2,337	7,810	
08/27	1,292	3,437	2,381	2,337	7,810	
08/28	1,292	3,437	2,381	2,337	7,810	

	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



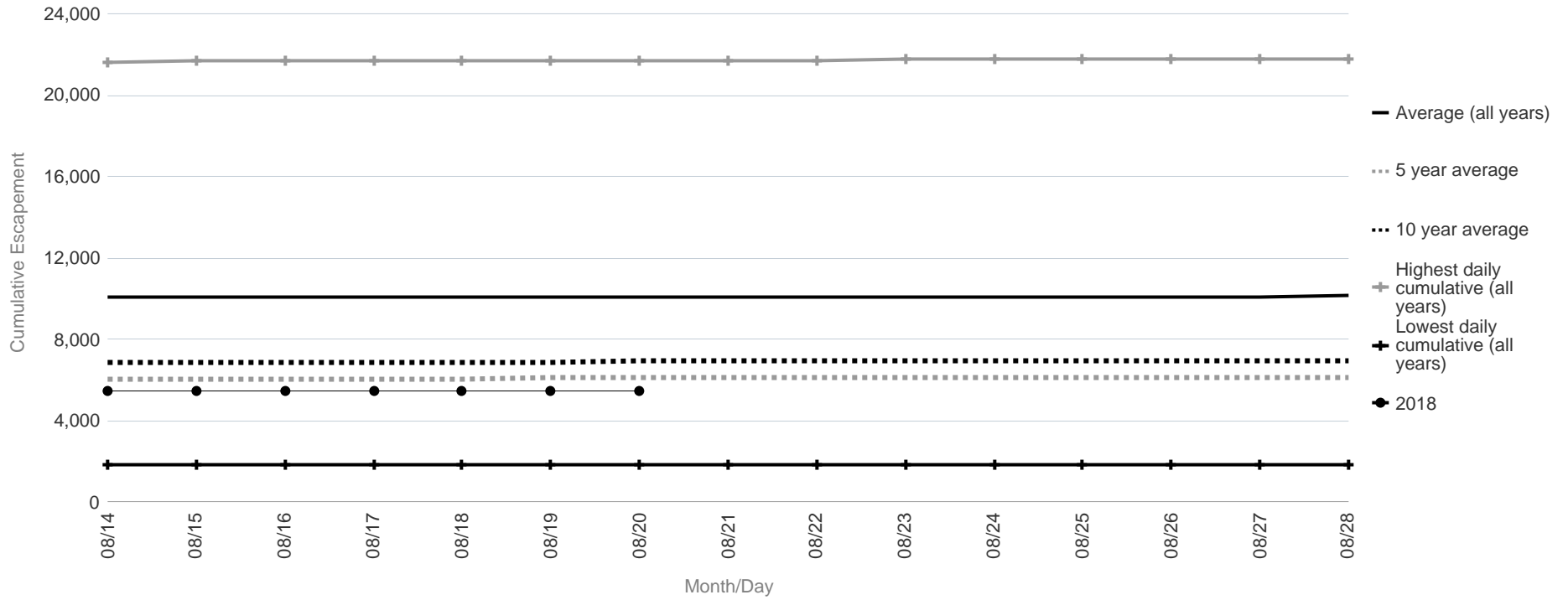
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 4,800 to 8,800

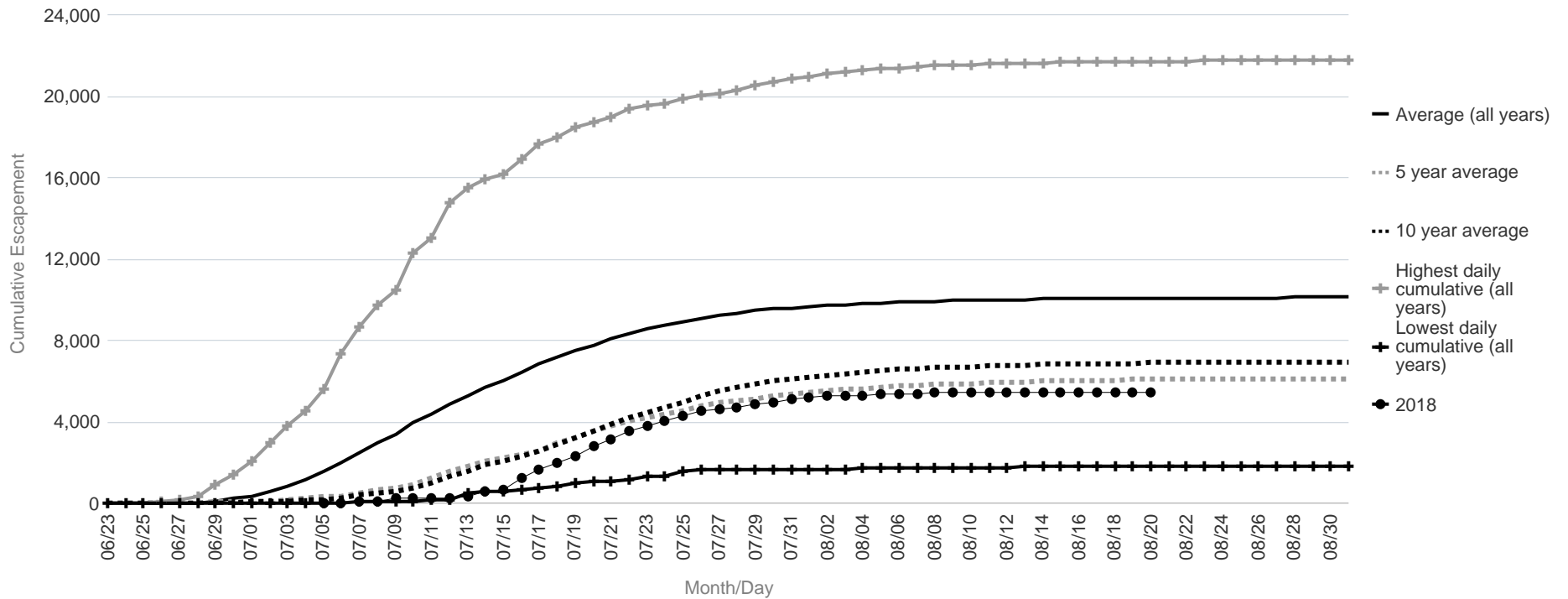
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	1,795	10,047	6,007	6,830	21,678	5,461
08/15	1,799	10,058	6,028	6,846	21,691	5,461
08/16	1,802	10,069	6,044	6,863	21,698	5,464
08/17	1,805	10,078	6,059	6,878	21,707	5,465
08/18	1,808	10,086	6,072	6,891	21,730	5,470
08/19	1,810	10,094	6,086	6,901	21,746	5,478
08/20	1,812	10,100	6,097	6,910	21,755	5,484
08/21	1,814	10,105	6,100	6,915	21,763	
08/22	1,816	10,109	6,102	6,917	21,766	
08/23	1,816	10,113	6,104	6,920	21,770	
08/24	1,817	10,116	6,104	6,922	21,782	
08/25	1,818	10,120	6,111	6,927	21,790	
08/26	1,818	10,122	6,117	6,931	21,795	
08/27	1,819	10,125	6,121	6,934	21,799	
08/28	1,819	10,127	6,125	6,937	21,803	

	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

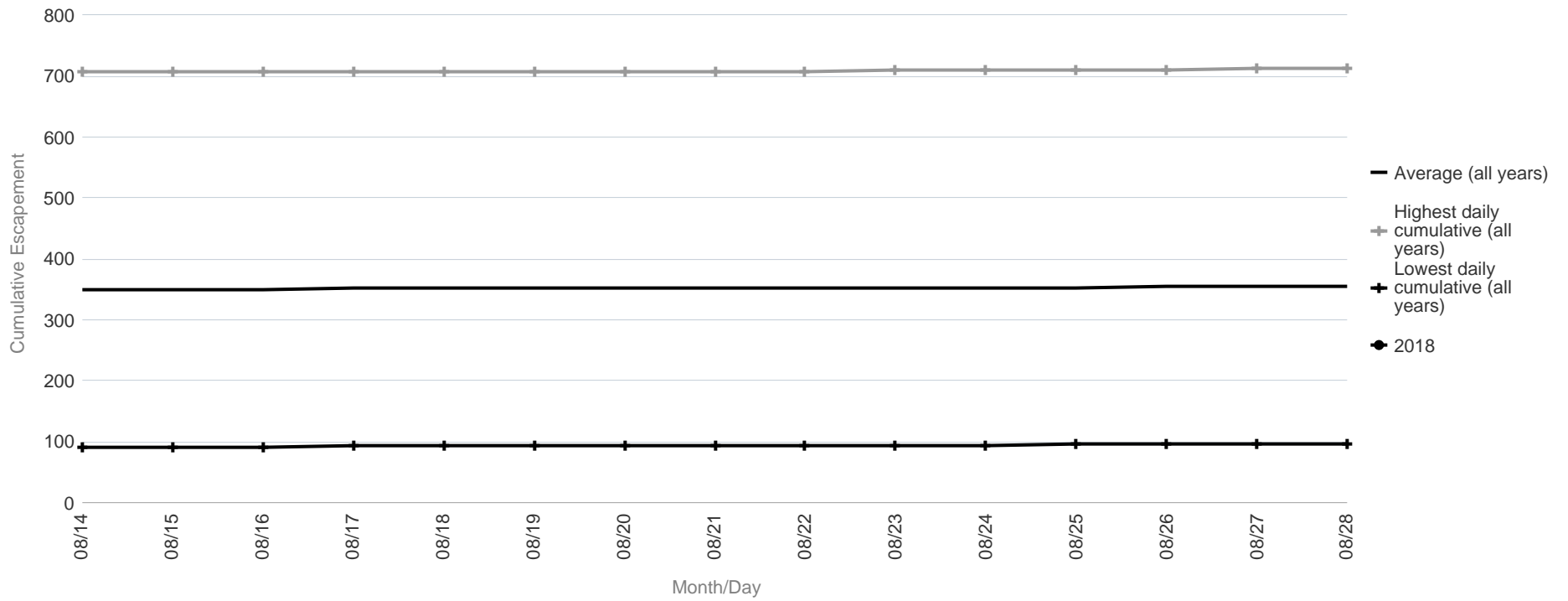


Takotna River Salmon Monitoring Project Passage of Chinook Salmon

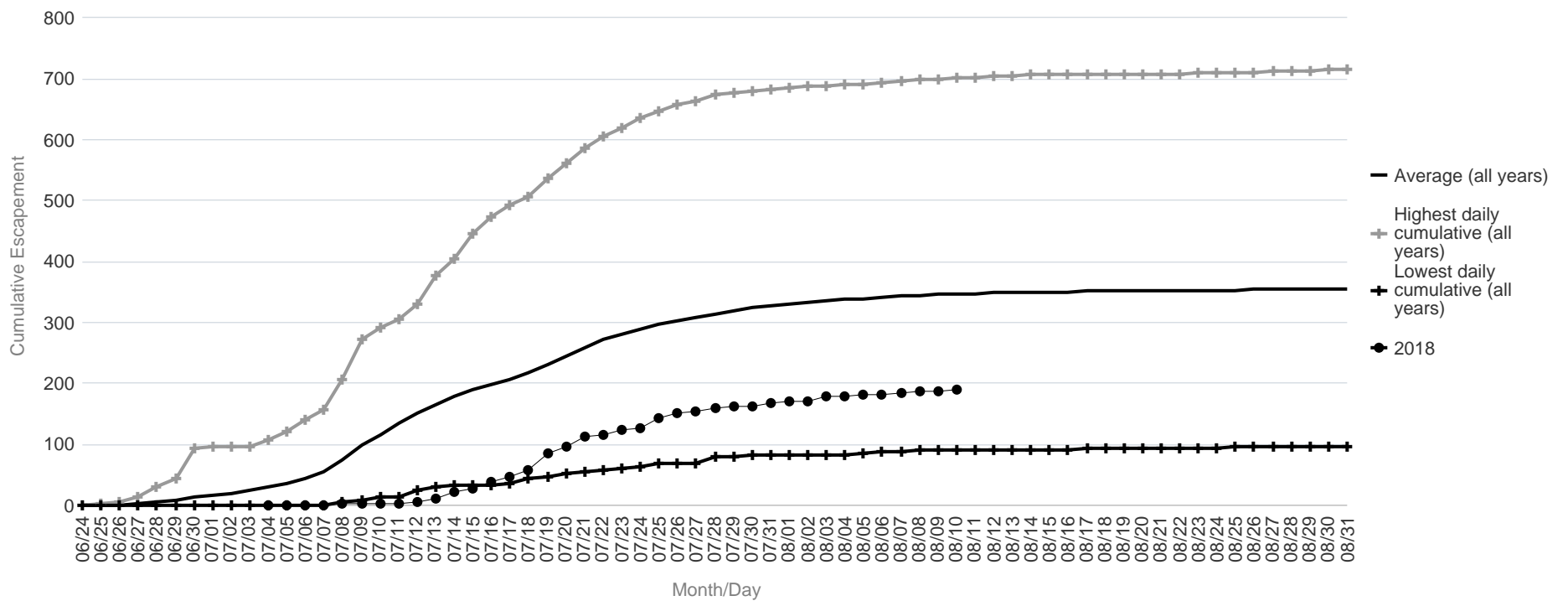
Date	Lowest daily cumulative (all years)	Average (all years)	Highest daily cumulative (all years)	2018
08/14	92	350	707	
08/15	92	351	707	
08/16	92	351	708	
08/17	94	351	708	
08/18	94	352	709	
08/19	95	352	709	
08/20	95	353	709	
08/21	95	353	709	
08/22	95	353	709	
08/23	95	353	710	
08/24	95	354	710	
08/25	96	354	710	
08/26	96	354	711	
08/27	97	355	712	
08/28	97	355	713	

	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

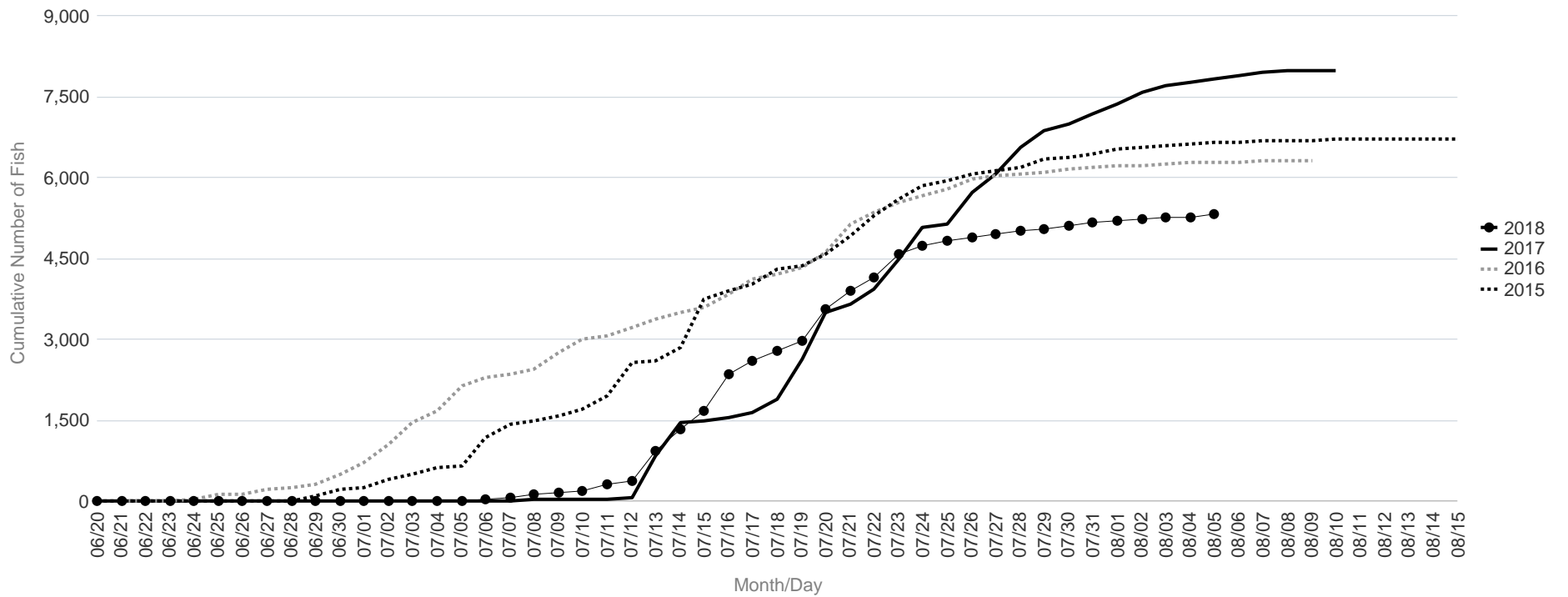
Cumulative Daily Passage				
Date	2015	2016	2017	2018
08/14	6,726			
08/15	6,736			

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

Focused Two-Week Data View



Season Total Overview

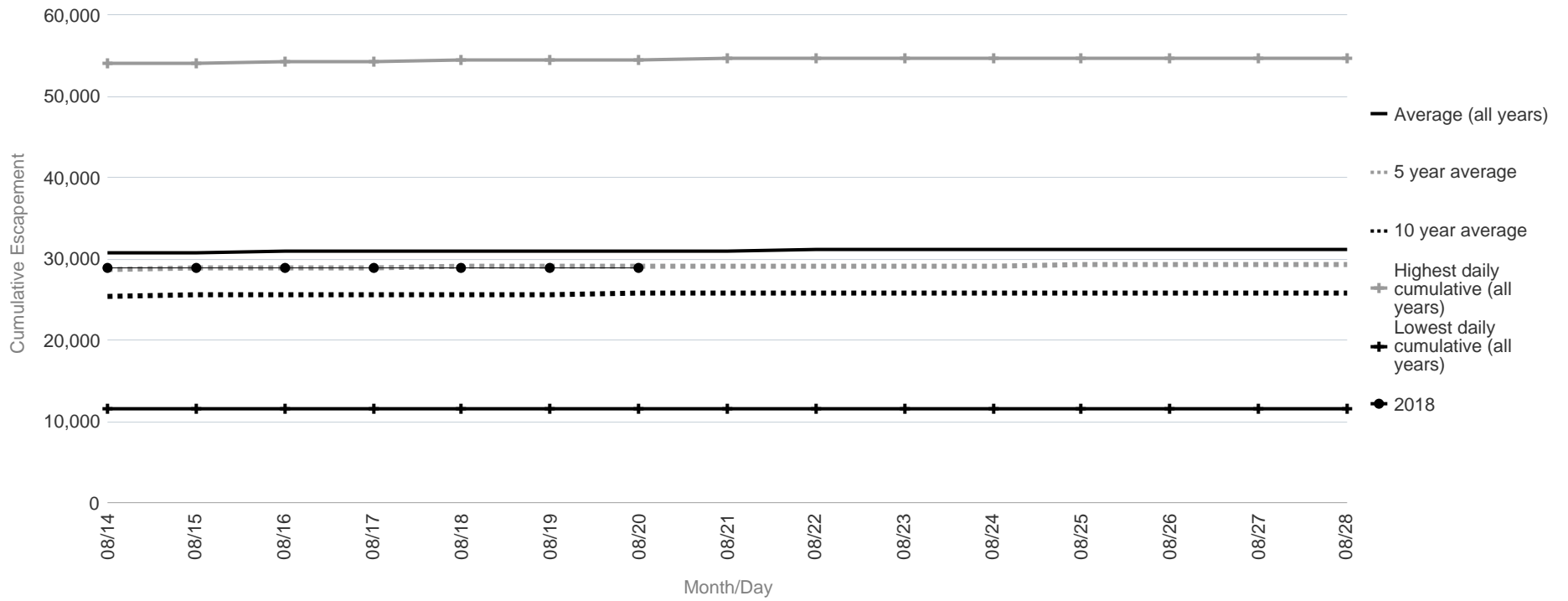


Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

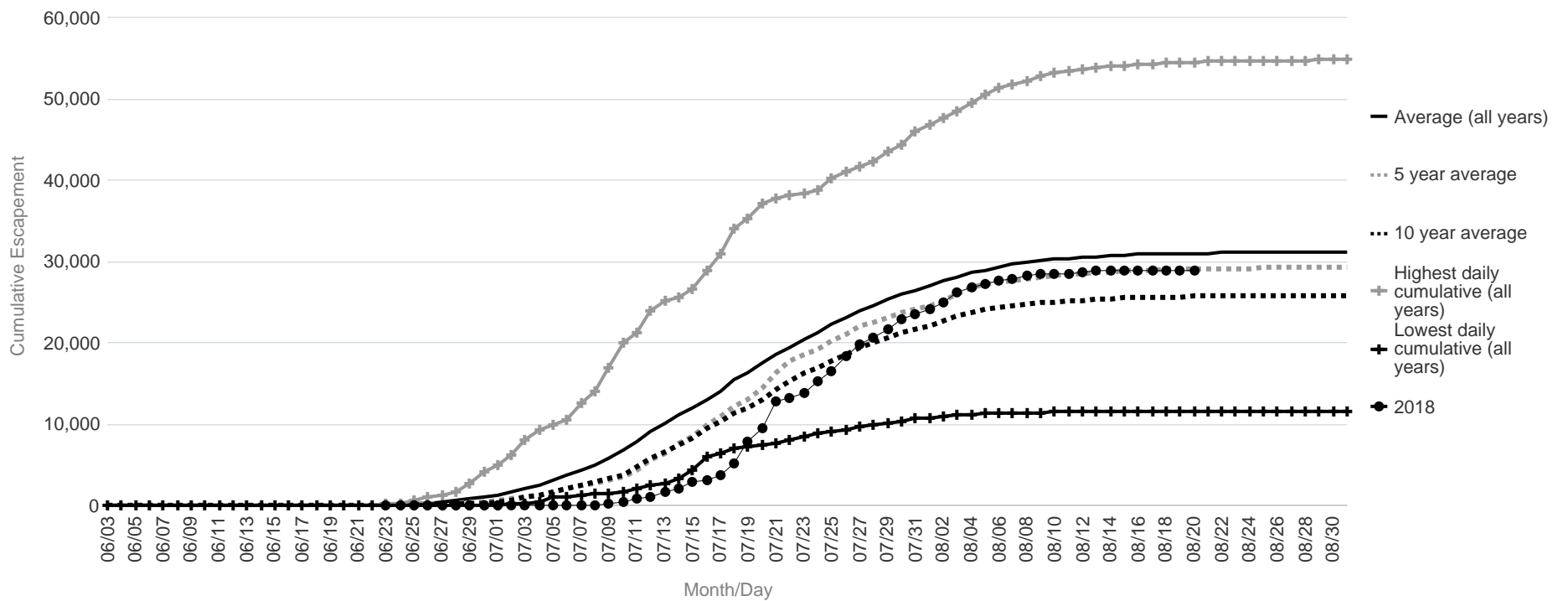
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	11,595	30,772	28,791	25,474	54,111	28,955
08/15	11,604	30,845	28,891	25,548	54,166	28,975
08/16	11,610	30,895	28,948	25,593	54,255	28,986
08/17	11,620	30,943	28,996	25,635	54,379	28,993
08/18	11,635	30,985	29,039	25,669	54,483	28,994
08/19	11,644	31,017	29,078	25,701	54,546	28,999
08/20	11,648	31,048	29,116	25,730	54,599	29,018
08/21	11,650	31,076	29,156	25,759	54,643	
08/22	11,654	31,098	29,188	25,783	54,676	
08/23	11,658	31,115	29,212	25,800	54,698	
08/24	11,661	31,129	29,235	25,814	54,716	
08/25	11,663	31,143	29,258	25,829	54,763	
08/26	11,674	31,155	29,278	25,842	54,787	
08/27	11,684	31,164	29,292	25,852	54,804	
08/28	11,684	31,172	29,302	25,861	54,817	

	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

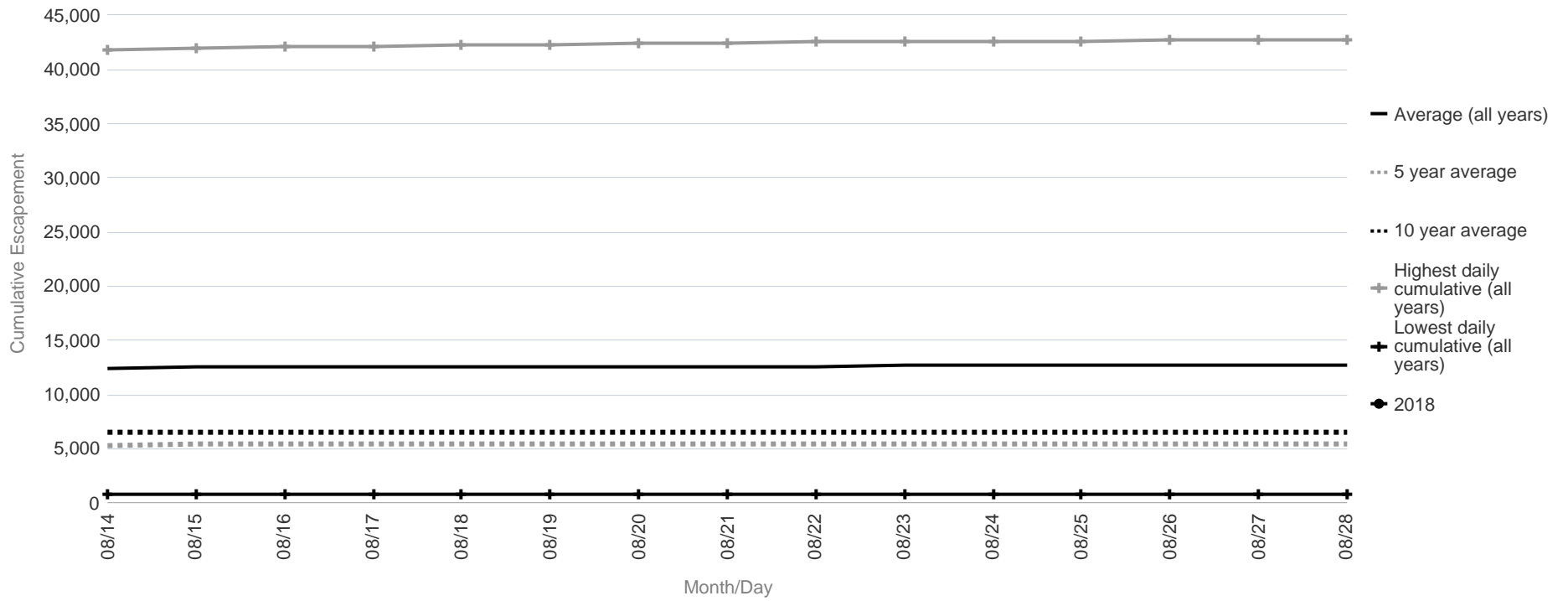


Salmon River (Aniak) Salmon Monitoring Project Passage of Chum Salmon

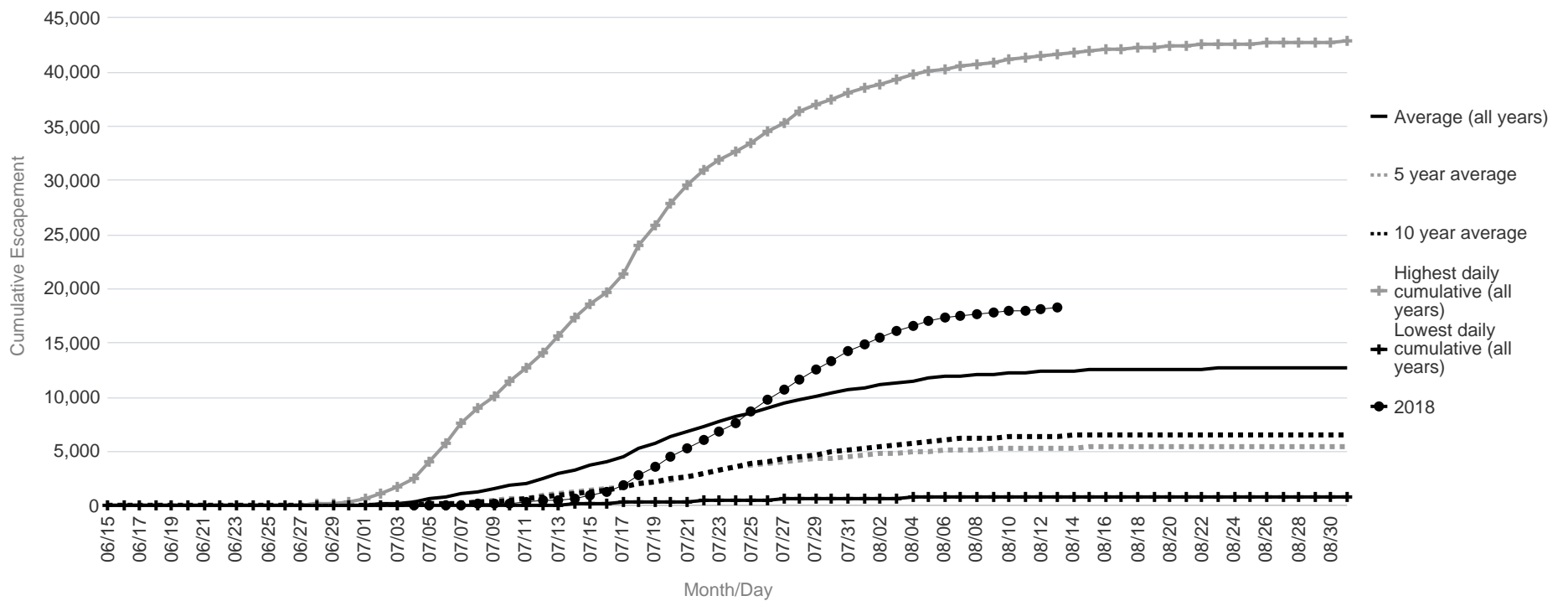
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	802	12,454	5,350	6,454	41,832	
08/15	805	12,491	5,369	6,479	41,958	
08/16	807	12,523	5,379	6,499	42,070	
08/17	809	12,552	5,393	6,517	42,170	
08/18	810	12,574	5,403	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	
08/22	814	12,638	5,430	6,564	42,529	
08/23	815	12,650	5,433	6,570	42,579	
08/24	816	12,659	5,438	6,573	42,624	
08/25	816	12,667	5,440	6,576	42,664	
08/26	816	12,674	5,443	6,579	42,699	
08/27	816	12,680	5,446	6,581	42,730	
08/28	816	12,685	5,448	6,583	42,758	

	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

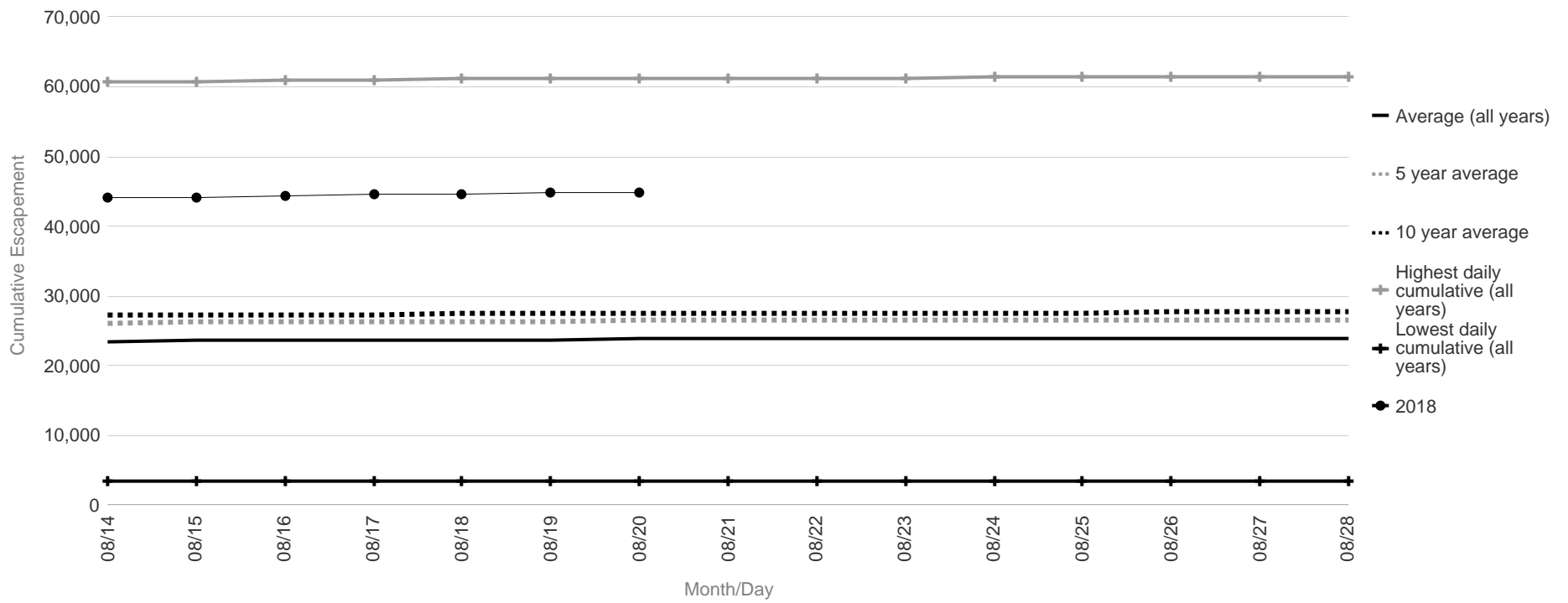


George River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

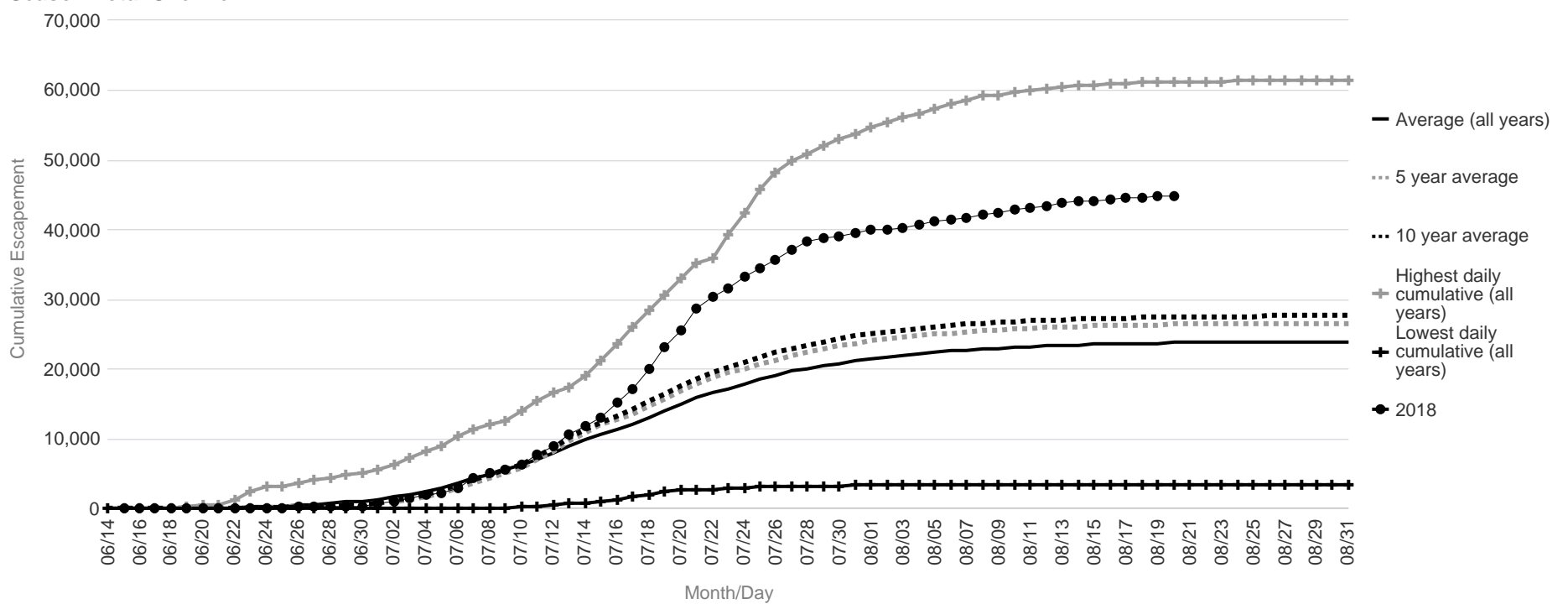
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	3,473	23,476	26,117	27,186	60,698	43,994
08/15	3,475	23,541	26,207	27,259	60,783	44,194
08/16	3,477	23,591	26,259	27,310	60,899	44,443
08/17	3,479	23,641	26,307	27,360	60,991	44,593
08/18	3,480	23,695	26,360	27,410	61,088	44,680
08/19	3,483	23,735	26,390	27,448	61,155	44,728
08/20	3,490	23,772	26,418	27,481	61,220	44,789
08/21	3,494	23,801	26,440	27,505	61,245	
08/22	3,494	23,832	26,472	27,535	61,286	
08/23	3,495	23,859	26,493	27,558	61,318	
08/24	3,495	23,883	26,516	27,581	61,342	
08/25	3,498	23,902	26,537	27,594	61,358	
08/26	3,499	23,917	26,563	27,610	61,373	
08/27	3,500	23,930	26,577	27,620	61,389	
08/28	3,501	23,943	26,590	27,630	61,410	

	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



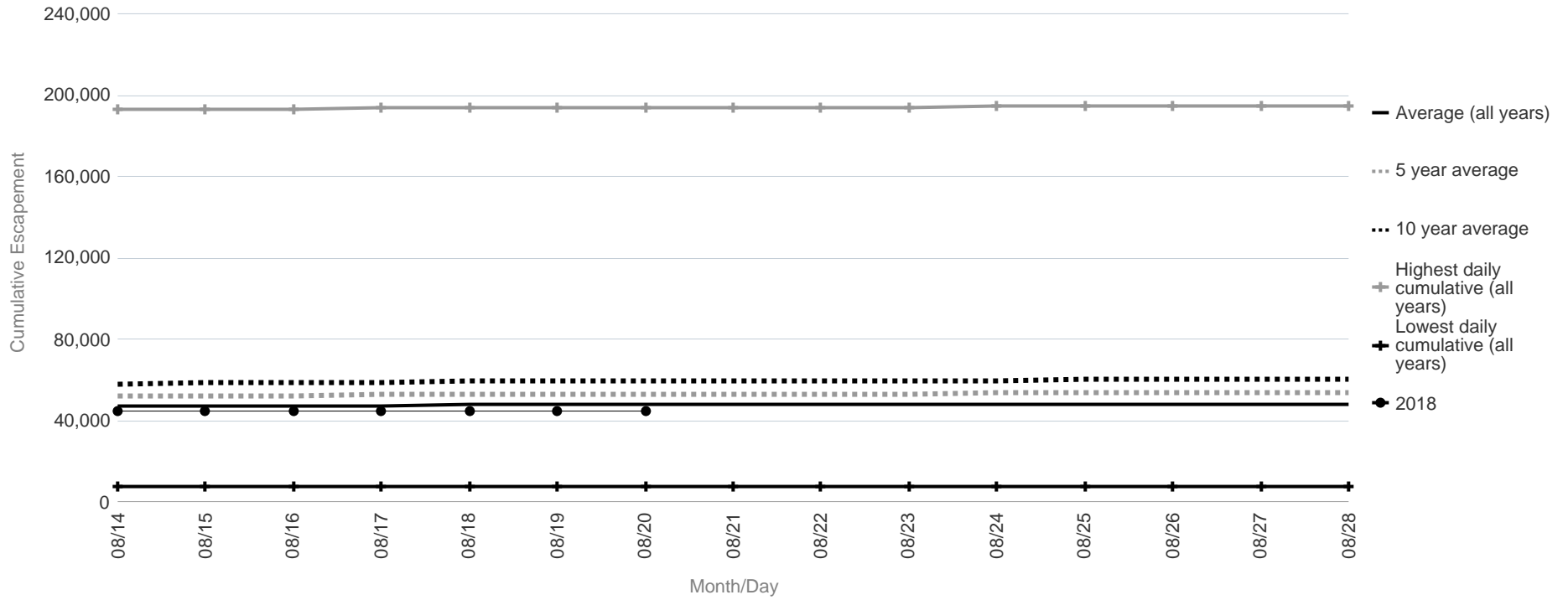
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

Escapement Goal Range: 15,000 to 49,000

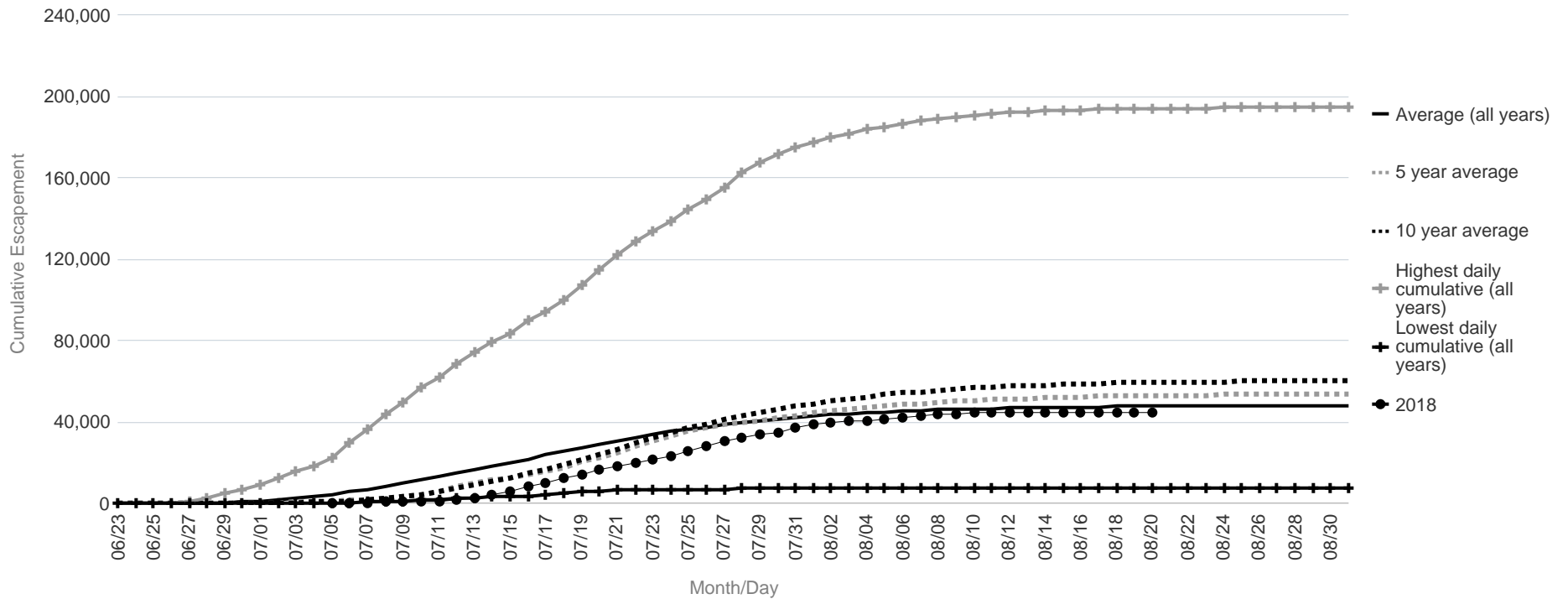
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	7,927	47,168	51,970	58,268	193,159	44,393
08/15	7,938	47,308	52,261	58,585	193,442	44,393
08/16	7,953	47,430	52,504	58,852	193,646	44,420
08/17	7,958	47,539	52,721	59,094	193,834	44,469
08/18	7,960	47,633	52,887	59,298	193,995	44,581
08/19	7,962	47,712	53,040	59,458	194,146	44,682
08/20	7,966	47,783	53,173	59,599	194,258	44,815
08/21	7,967	47,841	53,238	59,701	194,356	
08/22	7,967	47,895	53,304	59,791	194,416	
08/23	7,967	47,941	53,358	59,864	194,479	
08/24	7,967	47,985	53,412	59,930	194,579	
08/25	7,968	48,032	53,502	60,017	194,644	
08/26	7,968	48,060	53,585	60,097	194,673	
08/27	7,968	48,080	53,654	60,144	194,695	
08/28	7,970	48,095	53,711	60,179	194,720	

	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

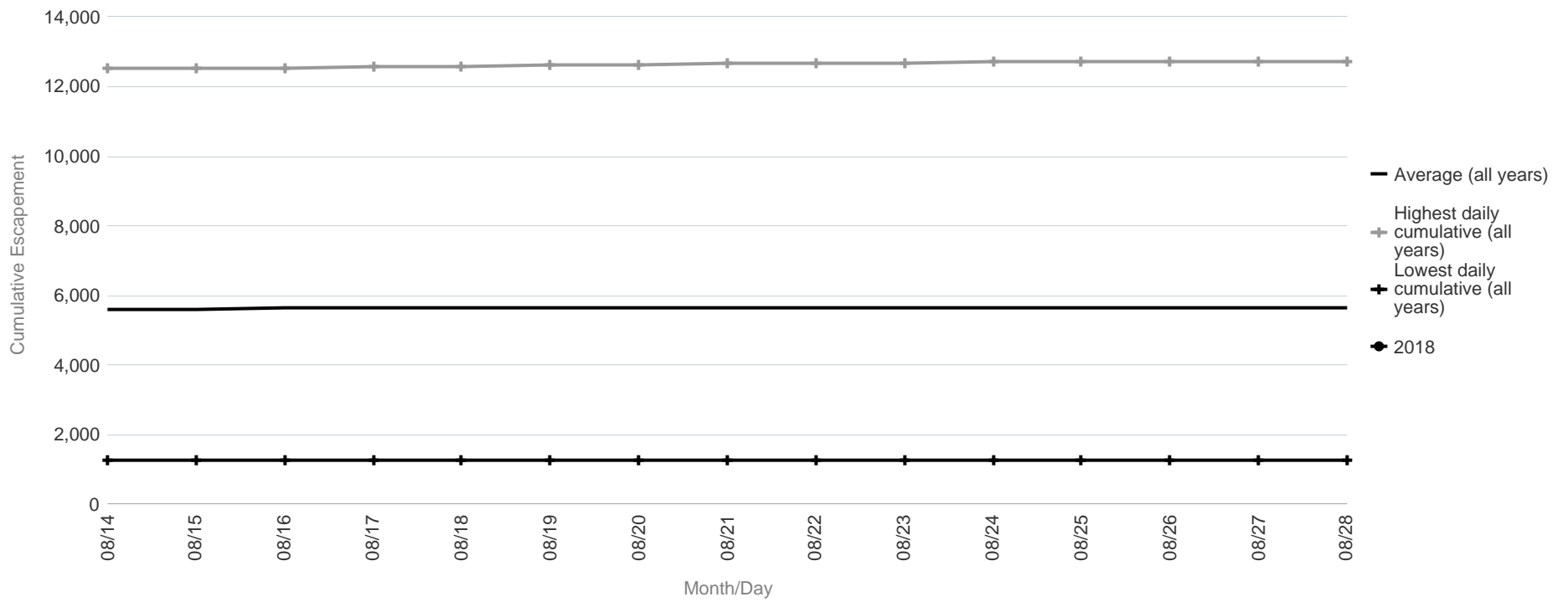


Takotna River Salmon Monitoring Project Passage of Chum Salmon

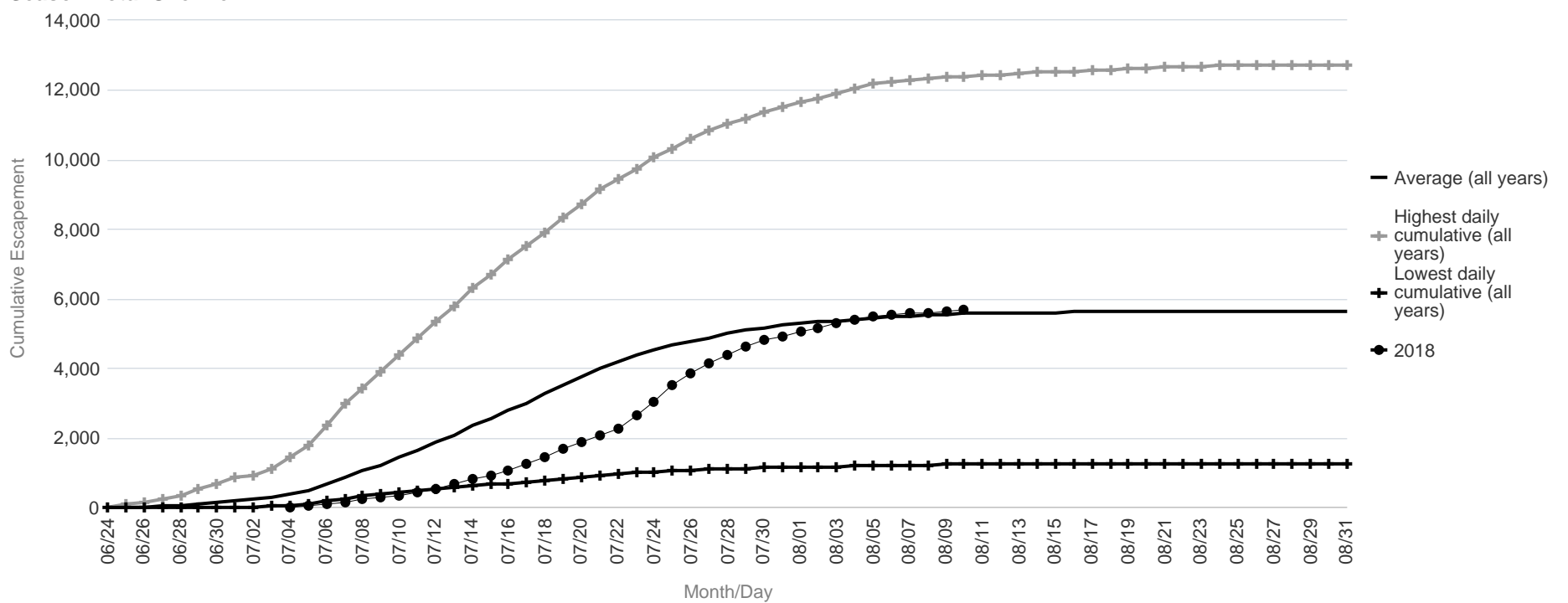
Date	Lowest daily cumulative (all years)	Average (all years)	Highest daily cumulative (all years)	2018
08/14	1,263	5,609	12,506	
08/15	1,263	5,615	12,525	
08/16	1,263	5,620	12,547	
08/17	1,263	5,624	12,563	
08/18	1,263	5,628	12,573	
08/19	1,263	5,632	12,605	
08/20	1,264	5,636	12,635	
08/21	1,264	5,640	12,663	
08/22	1,264	5,643	12,688	
08/23	1,264	5,645	12,691	
08/24	1,264	5,647	12,699	
08/25	1,264	5,648	12,701	
08/26	1,264	5,648	12,705	
08/27	1,264	5,649	12,709	
08/28	1,264	5,650	12,714	

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

Focused Two-Week Data View



Season Total Overview

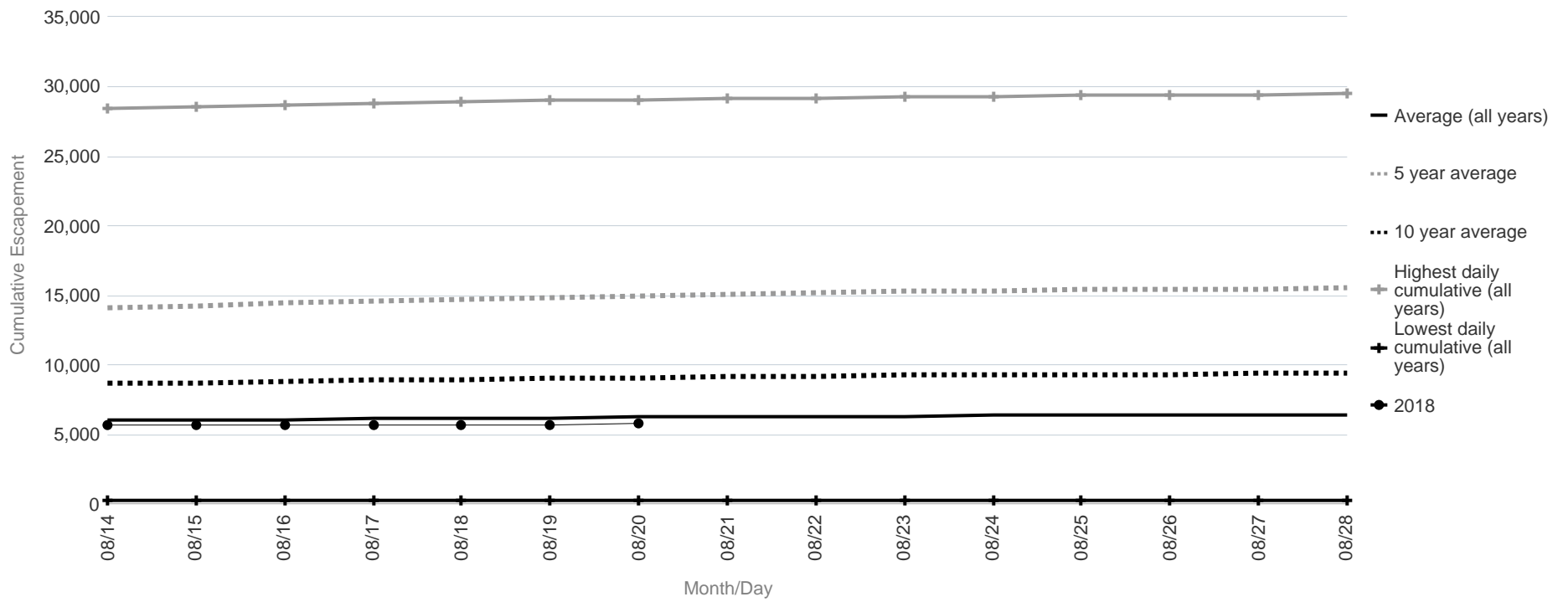


Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

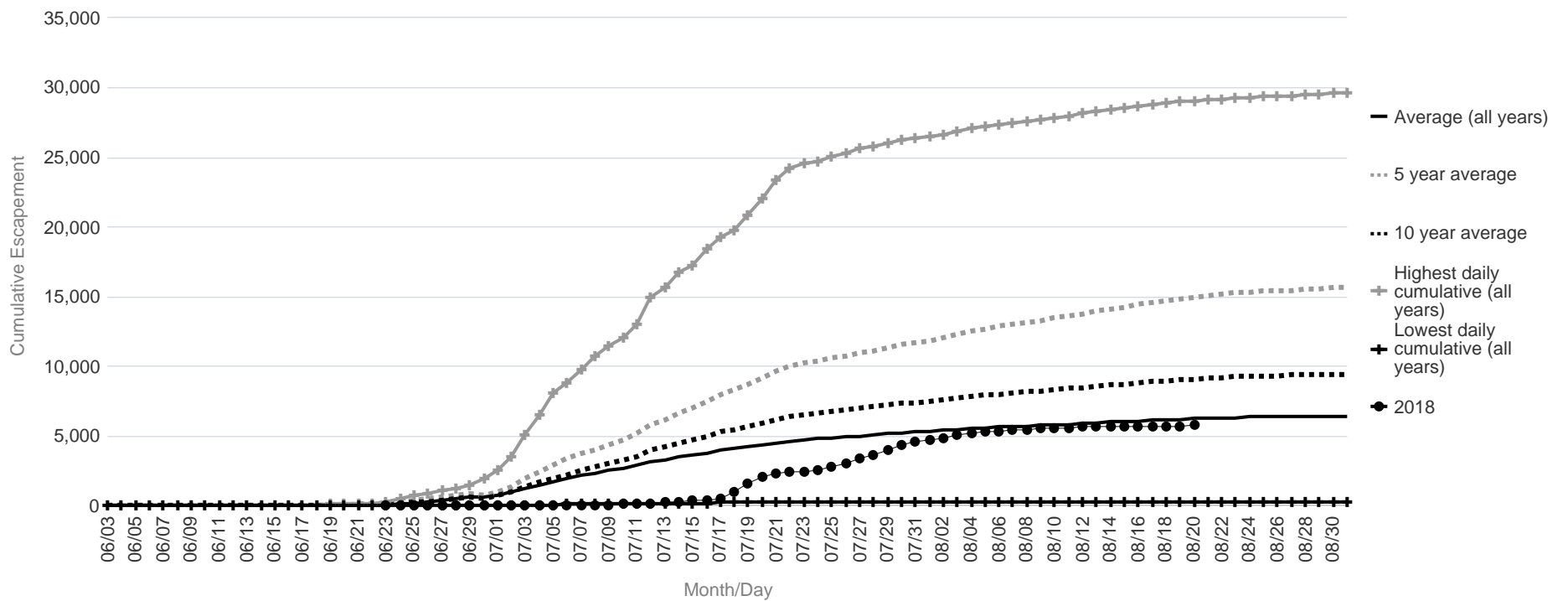
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	259	5,988	14,094	8,649	28,434	5,705
08/15	259	6,030	14,243	8,725	28,587	5,706
08/16	263	6,078	14,414	8,811	28,728	5,706
08/17	263	6,118	14,559	8,884	28,835	5,711
08/18	264	6,154	14,687	8,949	28,909	5,711
08/19	264	6,192	14,824	9,018	28,989	5,720
08/20	268	6,237	14,986	9,099	29,059	5,749
08/21	268	6,266	15,088	9,151	29,119	
08/22	269	6,289	15,171	9,193	29,180	
08/23	269	6,318	15,272	9,244	29,247	
08/24	272	6,342	15,357	9,288	29,327	
08/25	272	6,357	15,411	9,315	29,382	
08/26	272	6,368	15,447	9,334	29,425	
08/27	272	6,381	15,490	9,355	29,454	
08/28	272	6,392	15,529	9,376	29,496	

	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

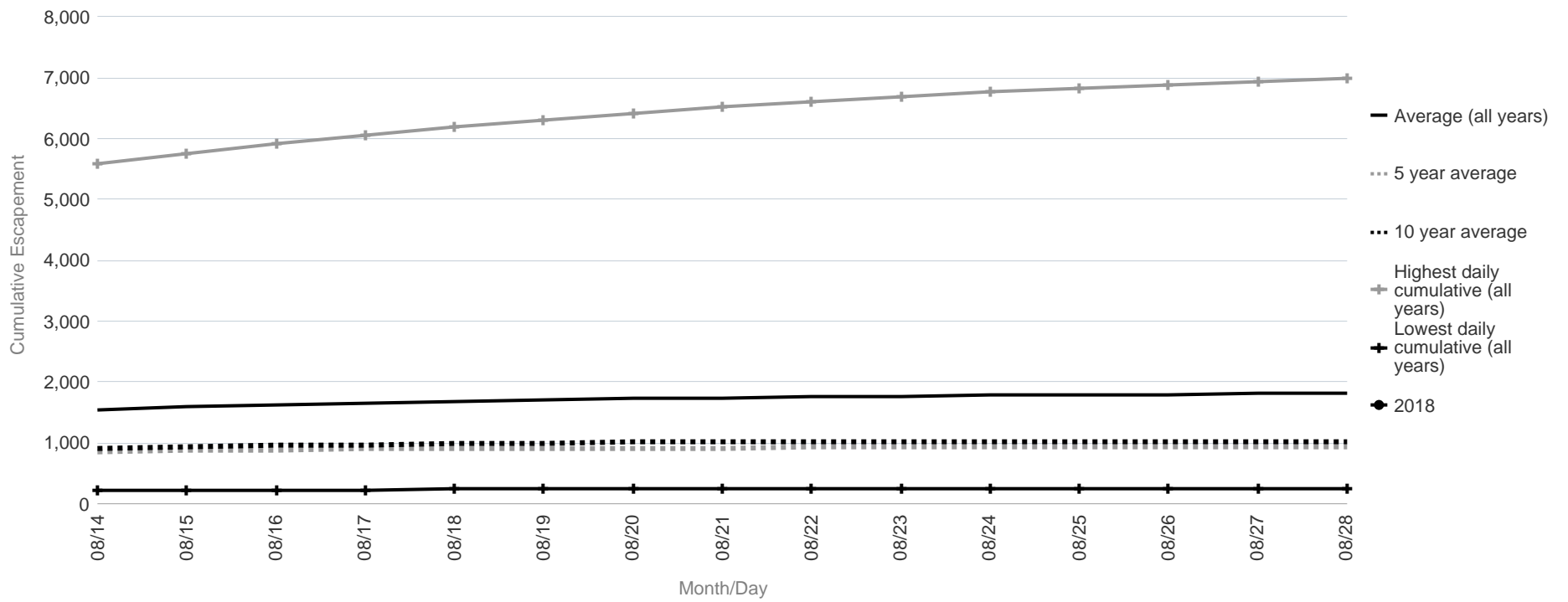


Salmon River (Aniak) Salmon Monitoring Project Passage of Sockeye Salmon

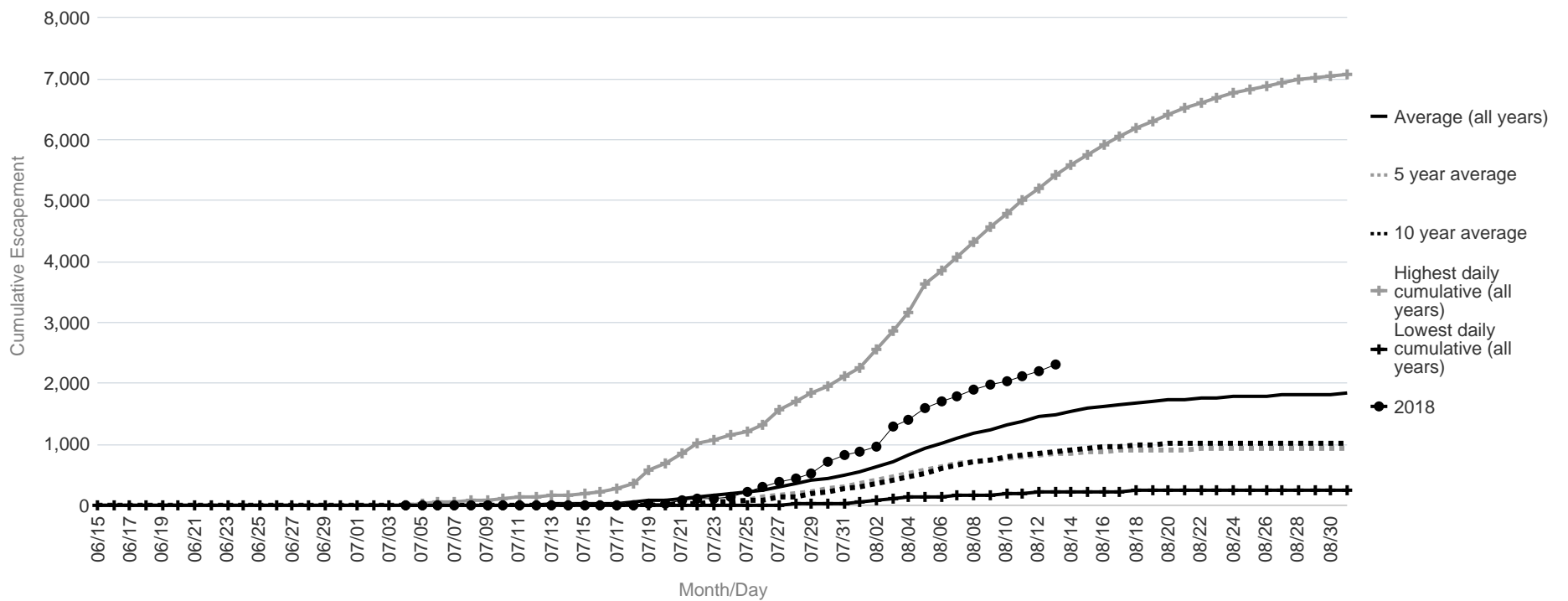
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	226	1,548	870	924	5,595	
08/15	230	1,589	882	946	5,764	
08/16	234	1,627	891	964	5,920	
08/17	237	1,659	901	981	6,064	
08/18	240	1,685	910	991	6,196	
08/19	242	1,710	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	
08/22	246	1,762	930	1,020	6,616	
08/23	247	1,775	933	1,023	6,696	
08/24	248	1,787	935	1,026	6,768	
08/25	248	1,797	937	1,028	6,832	
08/26	248	1,806	939	1,029	6,889	
08/27	248	1,814	940	1,031	6,939	
08/28	248	1,820	941	1,032	6,983	

	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



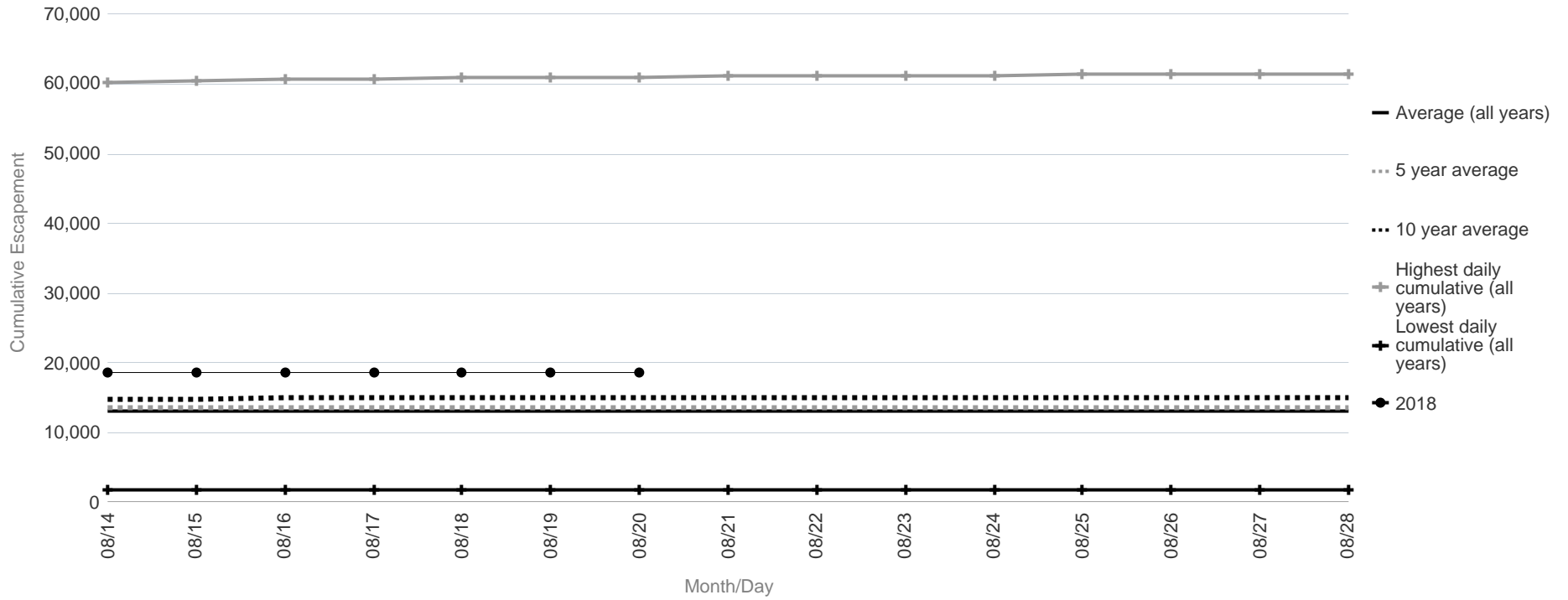
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

Escapement Goal Range: 4,400 to 17,000

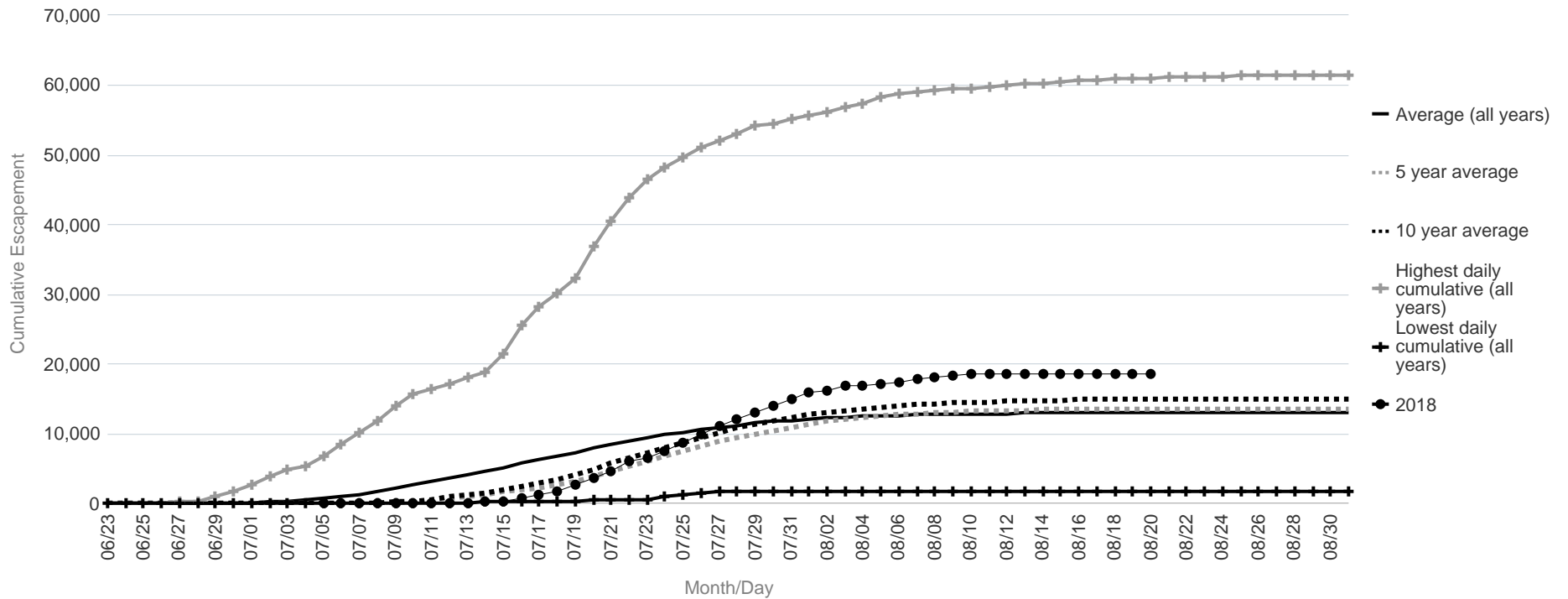
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	1,721	12,967	13,413	14,762	60,319	18,490
08/15	1,723	12,989	13,449	14,814	60,478	18,490
08/16	1,724	13,007	13,478	14,858	60,618	18,505
08/17	1,725	13,024	13,502	14,897	60,741	18,540
08/18	1,726	13,037	13,519	14,928	60,849	18,578
08/19	1,727	13,049	13,535	14,956	60,945	18,617
08/20	1,728	13,059	13,552	14,979	61,029	18,667
08/21	1,729	13,067	13,559	14,995	61,103	
08/22	1,730	13,074	13,563	15,009	61,168	
08/23	1,731	13,080	13,566	15,020	61,225	
08/24	1,732	13,086	13,569	15,031	61,276	
08/25	1,732	13,091	13,575	15,042	61,321	
08/26	1,732	13,094	13,579	15,052	61,331	
08/27	1,732	13,096	13,582	15,054	61,339	
08/28	1,732	13,097	13,586	15,057	61,344	

	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

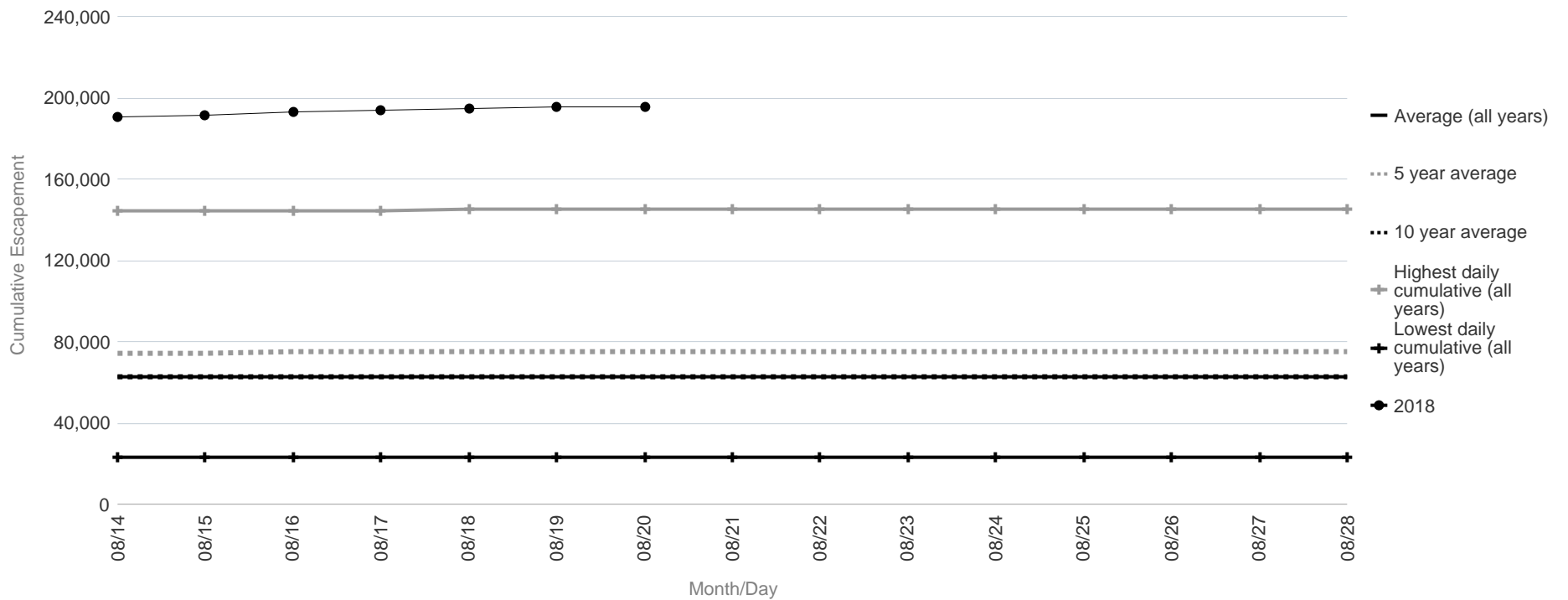


Telaquana River Salmon Monitoring Project Passage of Sockeye Salmon

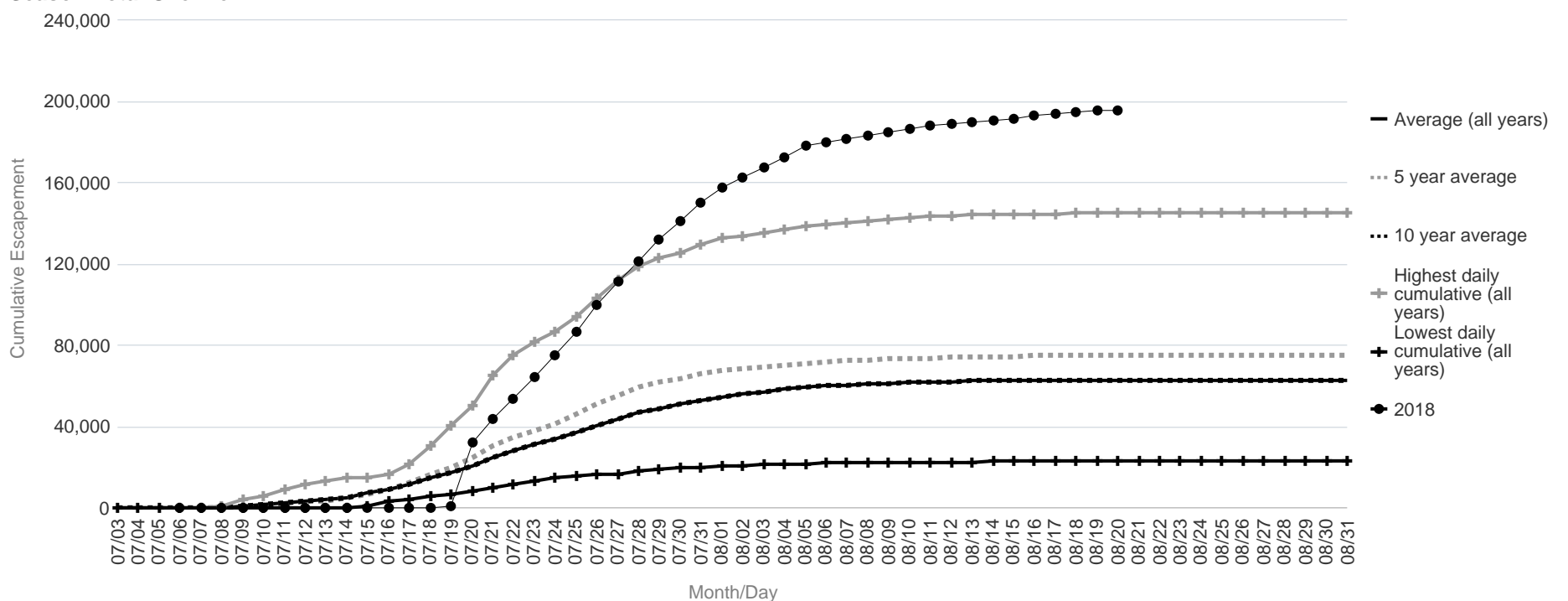
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	22,874	62,767	74,659	62,767	144,729	190,482
08/15	22,883	62,880	74,789	62,880	144,849	191,899
08/16	22,914	62,967	74,895	62,967	144,943	193,305
08/17	22,922	63,028	74,957	63,028	145,017	194,387
08/18	22,939	63,071	75,005	63,071	145,075	194,865
08/19	22,947	63,110	75,044	63,110	145,121	195,452
08/20	22,959	63,143	75,075	63,143	145,157	196,078
08/21	22,966	63,165	75,099	63,165	145,185	
08/22	22,979	63,189	75,119	63,189	145,207	
08/23	22,990	63,204	75,134	63,204	145,224	
08/24	22,998	63,216	75,147	63,216	145,238	
08/25	23,000	63,225	75,157	63,225	145,249	
08/26	23,005	63,233	75,164	63,233	145,257	
08/27	23,005	63,233	75,164	63,233	145,257	
08/28	23,005	63,233	75,164	63,233	145,257	

	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

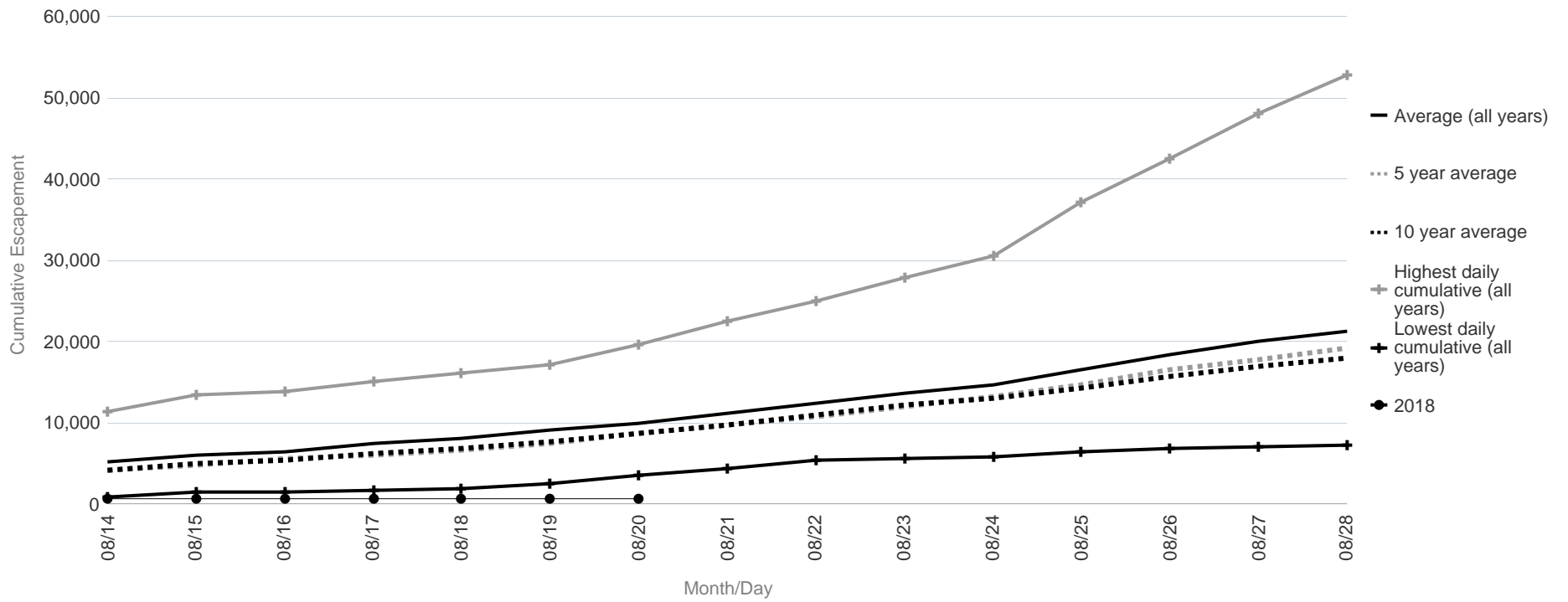


Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

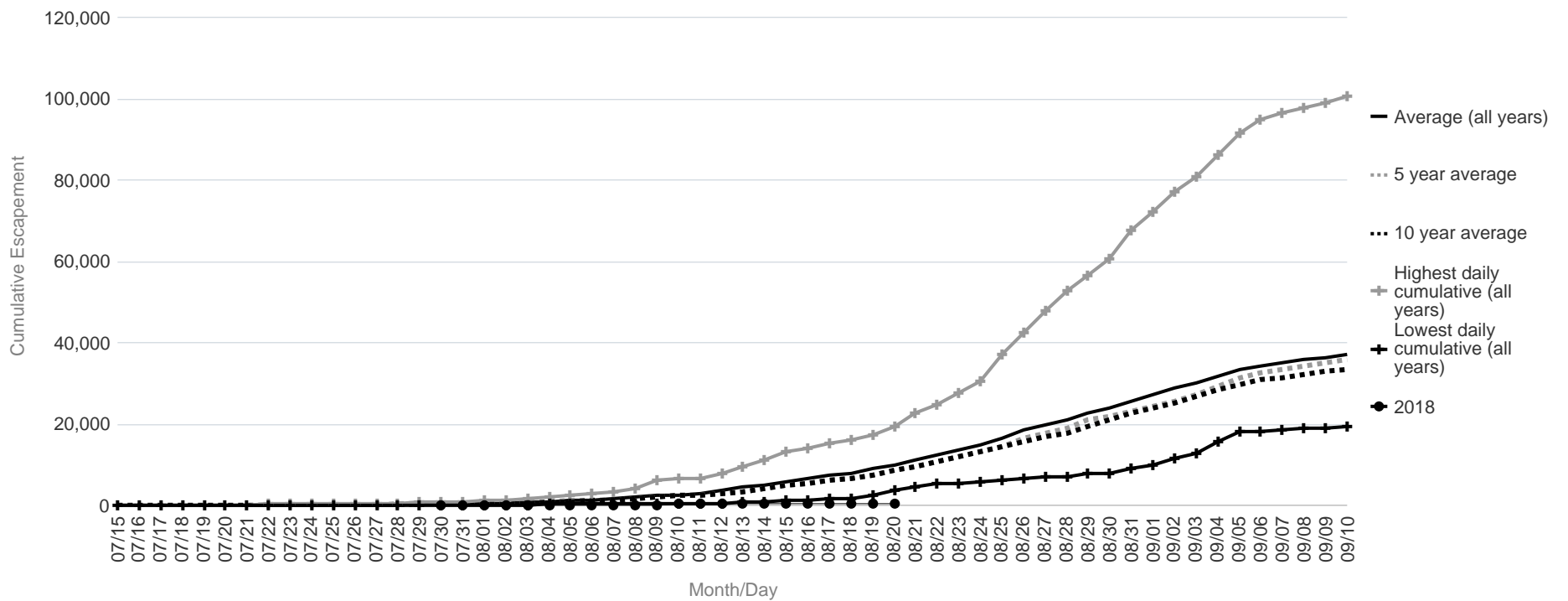
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	823	5,214	4,067	4,218	11,368	564
08/15	1,425	6,024	4,840	4,922	13,482	569
08/16	1,507	6,522	5,554	5,493	13,959	573
08/17	1,604	7,374	6,056	6,243	15,178	579
08/18	1,854	8,052	6,626	6,792	16,217	580
08/19	2,483	9,061	7,372	7,657	17,257	584
08/20	3,580	9,996	8,634	8,630	19,664	606
08/21	4,425	11,096	9,694	9,664	22,589	
08/22	5,411	12,325	10,837	10,905	24,927	
08/23	5,570	13,575	12,094	12,234	27,877	
08/24	5,782	14,737	13,174	13,133	30,656	
08/25	6,462	16,568	14,711	14,333	37,170	
08/26	6,797	18,445	16,452	15,819	42,466	
08/27	7,017	20,016	17,690	16,867	48,099	
08/28	7,236	21,194	19,129	17,935	52,944	

	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

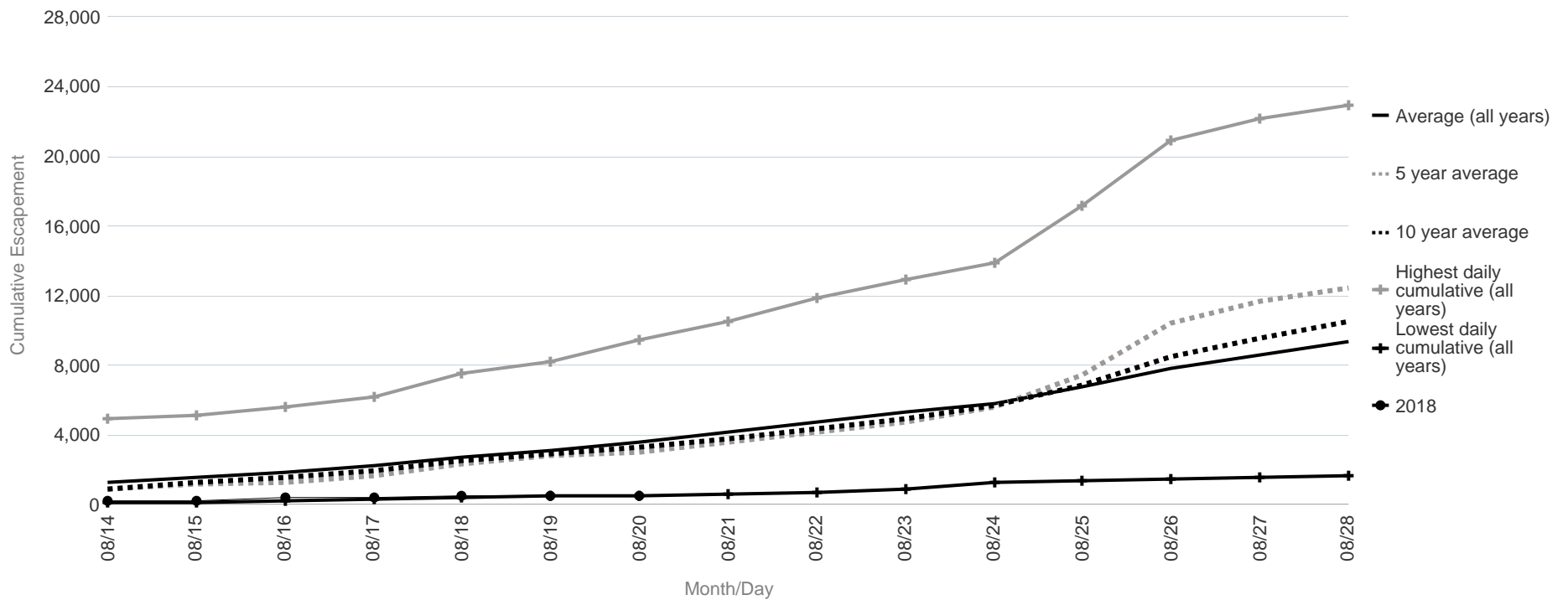


George River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

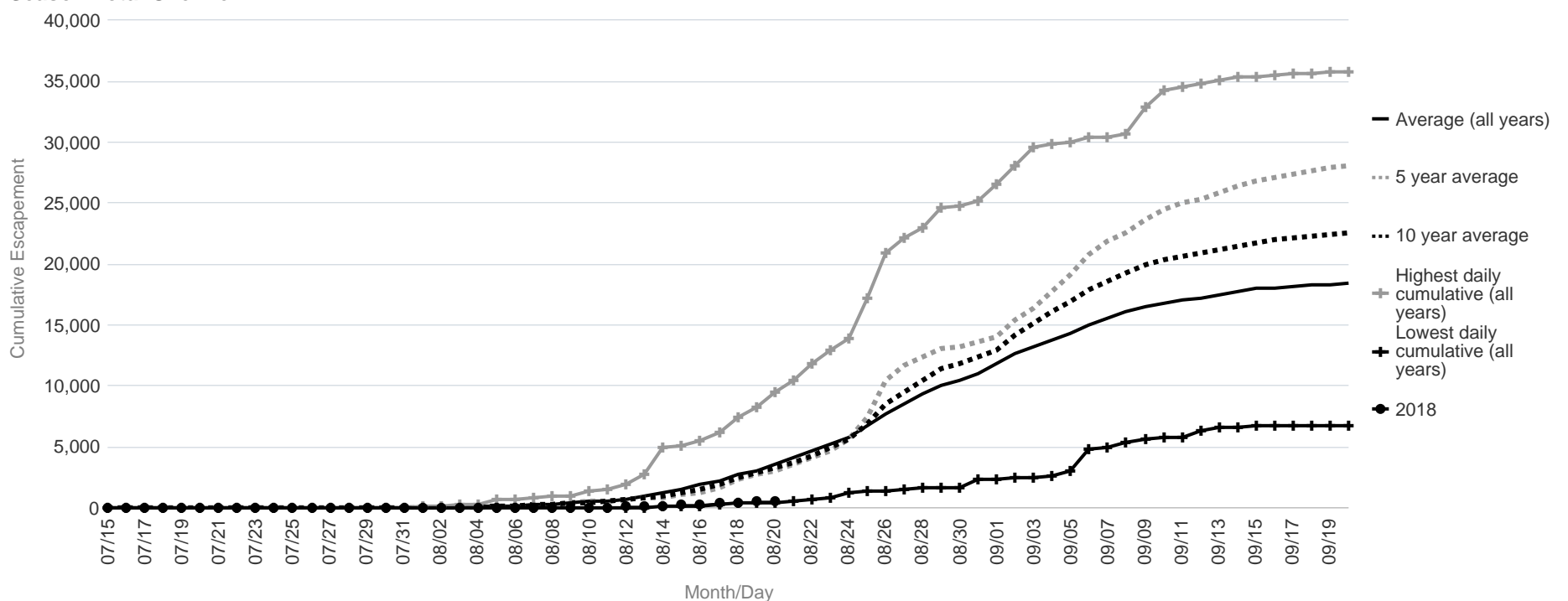
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	2018
08/14	108	1,284	865	926	4,945	197
08/15	141	1,589	1,134	1,267	5,141	231
08/16	211	1,892	1,304	1,532	5,562	358
08/17	305	2,267	1,639	1,960	6,155	429
08/18	381	2,746	2,324	2,496	7,518	485
08/19	455	3,113	2,800	2,951	8,215	510
08/20	476	3,532	3,012	3,261	9,456	545
08/21	582	4,154	3,551	3,774	10,491	
08/22	733	4,732	4,120	4,315	11,822	
08/23	903	5,291	4,718	4,971	12,940	
08/24	1,278	5,831	5,602	5,707	13,930	
08/25	1,374	6,729	7,472	6,874	17,168	
08/26	1,467	7,787	10,453	8,526	20,938	
08/27	1,600	8,598	11,708	9,516	22,136	
08/28	1,623	9,333	12,431	10,489	22,960	

	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



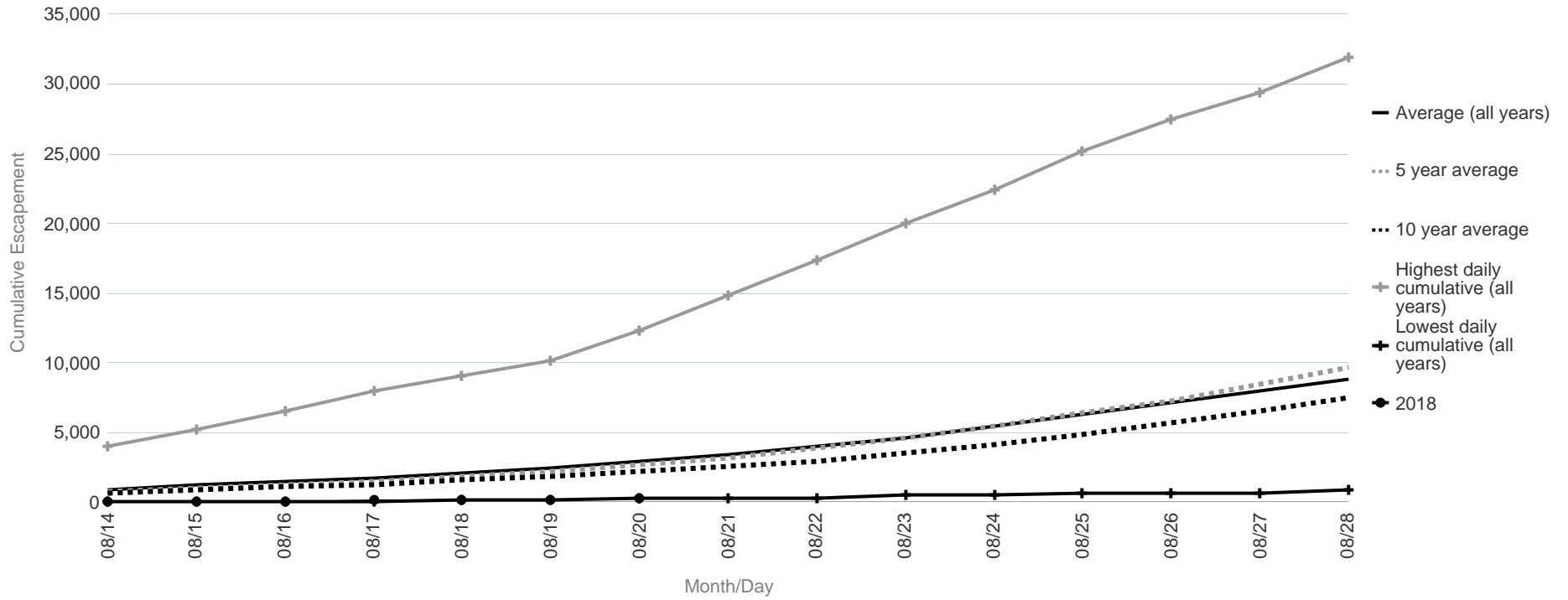
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

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
08/14	28	916	765	653	4,018	64
08/15	43	1,164	979	850	5,141	64
08/16	48	1,426	1,253	1,068	6,525	70
08/17	59	1,692	1,524	1,276	7,998	98
08/18	81	2,046	1,874	1,538	9,105	121
08/19	125	2,420	2,238	1,856	10,140	149
08/20	206	2,857	2,656	2,185	12,282	269
08/21	238	3,406	3,124	2,566	14,792	
08/22	305	3,966	3,824	2,967	17,339	
08/23	457	4,638	4,602	3,534	20,004	
08/24	557	5,404	5,461	4,129	22,422	
08/25	592	6,265	6,361	4,847	25,149	
08/26	598	7,138	7,280	5,631	27,495	
08/27	625	7,953	8,398	6,461	29,448	
08/28	895	8,863	9,609	7,427	31,878	

	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

